

Minnesota Agricultural Statistics 1980





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July 29, 80 5 4130-1 6

MINNESOTA AGRICULTURAL STATISTICS 1980

Compiled and Issued by:

Minnesota Crop and Livestock Reporting Service

U. S. Department of Agriculture
Economics, Statistics, & Cooperatives Service

Cooperating With

Minnesota Department of Agriculture

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JUNE 1980

FOREWORD

The American farmer continues his struggle to receive a fair return for the goods he produces while rampant inflation pushes ever higher the cost of production items he must purchase to stay in business. The Minnesota farmer not only has to deal with these problems but also faces the additional handicap of being located a much greater distance from prime marketing and export points.

The past year has been a particularly "rough" one for Minnesota farmers. In addition to double-digit inflation and low farm prices, they've had to cope with a truckers' strike, abandonment of key rail lines, a dock strike, an embargo, severely restricted credit, and the ever-changing weather. Any one of these would have stopped other businesses cold but the farmer somehow carries on and the American consumer benefits, not realizing the problems of getting food from the farm to his table.

The importance of farming in Minnesota is told in this book. It is told through the cooperation of farmers who provide the basic agriculture data for this and other continuing reports we publish throughout the year. Farmers and agribusinesses are both to be commended for their help in providing this information on a voluntary basis. Users of this data owe them a special thanks.

Preparing a bulletin of this size and complexity is a big job and requires input from everyone in this office. The overall coordination of this effort is the responsibility of Lyle Pratt, Assistant Statistician in Charge, and Linda Wright, editor. Other major contributors were Sylvester Phillippi, crops; Eddie Gaks, livestock; and Lana Benson, who did much of the typing and layout work.

Carroll Rock

Carroll Rock
Agricultural Statistician in Charge

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SECTION I Minnesota's Rank, Number of Farms, Farm Income, & Climatic Summary Rankings

Table 1 -- Minnesota's Rank Among States

Item	1	2	3	4	5	6	7	8	9	10
Number of Farms, 1979 :1/	Texas	Iowa	Missouri	Illinois	Minnesota	N.Carolina	Ohio	Kentucky	Wisconsin	Tennessee
Cash Farm Income, 1979 :										
Total	Calif.	Iowa	Texas	Illinois	Kansas	Nebraska	Minnesota	Wisconsin	Missouri	Indiana
Crops	Calif.	Illinois	Texas	Iowa	Florida	Minnesota	Kansas	Indiana	Ohio	Nebraska
Livestock and Livestock Products	Iowa	Texas	Calif.	Nebraska	Wisconsin	Kansas	Minnesota	Colorado	Missouri	Illinois
Crop Production, 1979:										
Corn for Grain	Iowa	Illinois	Nebraska	Indiana	Minnesota	Ohio	Wisconsin	Michigan	Missouri	S. Dakota
Soybeans	Illinois	Iowa	Missouri	Minnesota	Indiana	Ohio	Arkansas	Miss.	Louisiana	Tennessee
All Wheat	Kansas	N. Dakota	Oklahoma	Texas	Wash.	Montana	Minnesota	Nebraska	Idaho	Missouri
Other Spring Wheat	N. Dakota	Minnesota	Montana	S. Dakota	Idaho	Wash.	Oregon	Colorado	Utah	Nevada
Oats	S. Dakota	Idaho	Calif.	Wisconsin	N. Dakota	Ohio	Nebraska	Pa.	N. Y.	Texas
Barley	N. Dakota	Minnesota	S. Dakota	Minnesota	Montana	Colorado	S. Dakota	Wash.	Utah	Wyoming
All Sunflowers	N. Dakota	Minnesota	Iowa	S. Dakota	Nebraska	Calif.	Texas	Missouri	N. Dakota	Kansas
All Hay	Wisconsin	Minnesota	Iowa	S. Dakota	Nebraska	Calif.	Texas	Missouri	N. Dakota	Kansas
All Potatoes	Idaho	Wash.	Maine	Oregon	Calif.	N. Dakota	Wisconsin	Minnesota	Colorado	N. Y.
Sugarbeets	Calif.	Minnesota	Idaho	N. Dakota	Michigan	Nebraska	Wisconsin	Wyoming	Montana	Texas
Flaxseed	N. Dakota	S. Dakota	Minnesota	Texas	Nebraska	Oklahoma	S. Carolina	Michigan	Texas	Kansas
Rye	N. Dakota	S. Dakota	Georgia	Minnesota	Nebraska	Idaho	Michigan	Ohio	Iowa	Wisconsin
Red Clover Seed	Oregon	Minnesota	Illinois	Wash.	Michigan	Missouri	Idaho	Ohio	Iowa	Wisconsin
Timothy Seed	Minnesota	Missouri	Ohio	Illinois	Wash.	Idaho	N. Y.	Maryland	Iowa	Delaware
Sweet Corn for Processing	Wisconsin	Wisconsin	Oregon	Illinois	Illinois	N. Dakota	Delaware	N. Y.	Colorado	Other states
Green Peas for Processing	Wisconsin	Wash.	Minnesota	Oregon	Maryland	Calif.	Delaware	N. Y.	Colorado	Other states
Dry Edible Beans	Michigan	Calif.	Idaho	Nebraska	Colorado	N. Dakota	Wash.	Minnesota	Wyoming	N. Y.
Livestock, Dairy and Poultry:										
Red Meat Production, 1979	Iowa	Nebraska	Texas	Illinois	Kansas	Calif.	Colorado	Minnesota	Ohio	Michigan
Cattle and Calves, January 1, 1980	Texas	Iowa	Nebraska	Kansas	Oklahoma	Missouri	Calif.	Wisconsin	S. Dakota	Minnesota
Milk Cows, January 1, 1980	Wisconsin	N. Y.	Calif.	Minnesota	Pa.	Michigan	Ohio	Iowa	Texas	Missouri
Cattle and Calves on Feed, January 1, 1980	Texas	Nebraska	Iowa	Kansas	Colorado	Calif.	Illinois	Arizona	Minnesota	S. Dakota
Cattle and Calves Marketed, 1979 (head)	Texas	Nebraska	Iowa	Kansas	Colorado	Oklahoma	Calif.	Missouri	S. Dakota	Minnesota
Hogs, December 1, 1979 4/	Iowa	Illinois	Indiana	Minnesota	Missouri	Nebraska	N.Carolina	Georgia	Kansas	Ohio
Pig Crop, 1979	Iowa	Illinois	Minnesota	Missouri	Indiana	Nebraska	N.Carolina	Ohio	S. Dakota	Kansas
Hogs Marketed, 1979 (head)	Iowa	Illinois	Missouri	Minnesota	Indiana	Nebraska	N.Carolina	Kansas	Ohio	S. Dakota
Stock Sheep and Lambs, January 1, 1980 5/	Texas	Calif.	Wyoming	S. Dakota	N. Mex.	Colorado	Montana	Utah	Idaho	Oregon
Lamb Crop, 1979 6/	Texas	Calif.	S. Dakota	Wyoming	Colorado	Idaho	Utah	N. Mex.	Montana	Oregon
Chickens, December 1, 1979	Calif.	Georgia	Arkansas	Alabama	Pa.	N.Carolina	Indiana	Florida	Texas	Minnesota
Eggs, Produced, December 1978- November 1979 7/	Calif.	Georgia	Arkansas	Pa.	Indiana	Alabama	Florida	N.Carolina	Texas	Ohio
Turkeys Raised During 1979	Minnesota	N.Carolina	Calif.	Arkansas	Missouri	Virginia	Texas	Iowa	Wisconsin	Indiana
Milk Production, 1979	Wisconsin	Calif.	N. Y.	Minnesota	Pa.	Michigan	Ohio	Iowa	Texas	Wash.
Dairy Products Manufactured during 1979:										
Total Cheese	Wisconsin	Minnesota	N. Y.	Iowa	Calif.	Idaho	Illinois	Ohio	Pa.	Missouri
American Cheese	Wisconsin	Minnesota	Iowa	N. Y.	Idaho	S. Dakota	Missouri	N. Dakota	Kentucky	Utah
Italian Cheese	Wisconsin	N. Y.	Calif.	Nebraska	Minnesota	Pa.	Illinois	N. J.	Kentucky	Utah
Butter	Wisconsin	Minnesota	Calif.	Pa.	N. Y.	Wash.	Michigan	Ohio	Missouri	Iowa
Nonfat Dry Milk	Calif.	Minnesota	Wisconsin	Iowa	Michigan	N. Y.	S. Dakota	Ohio	Pa.	N. Dakota
Ice Cream	Calif.	Pa.	N. Y.	Ohio	Mass.	Texas	Illinois	Michigan	Florida	Minnesota
Honey Produced, 1979	Florida	N. Dakota	S. Dakota	Calif.	Minnesota	Montana	Texas	Wisconsin	Missouri	N. Y.
Fertilizer Consumption (year ending 6/30/79):	Illinois	Iowa	Calif.	Indiana	Texas	Minnesota	Georgia	Ohio	Florida	N.Carolina

1/ Kentucky and Wisconsin are tied for 8th place.

2/ Delaware and New York are tied for 7th place.

3/ Other production states are: Idaho, Illinois, Iowa, Maine, Michigan, Pennsylvania, Utah, and Virginia.

4/ Indiana and Minnesota are tied for 3rd place; Kansas and Ohio are tied for 9th.

5/ Minnesota ranks 13th.

6/ Minnesota ranks 14th.

7/ Minnesota ranks 11th.

Table 2 -- Minnesota's Leading Agricultural Counties

Item	1	2	3	4	5	6	7	8	9	10
Cash Farm Income, 1978:										
Total	Stearns	Polk	Renville	Redwood	Otter Tail	Martin	Freeborn	Faribault	Nobles	Jackson
Crops	Polk	Renville	Faribault	Marshall	Redwood	Clay	Freeborn	Blue Earth	Martin	Jackson
Livestock	Stearns	Otter Tail	Fillmore	Nobles	Kandiyohi	Rock	Martin	Lyon	Goodhue	Jackson
Government Payments ^{1/}	Polk	Marshall	Kittson	Clay	Norman	Wilkin	Roseau	Otter Tail	Lac Qui Parle	Y. Med.
Crop Production, 1979:										
Corn for Grain	Freeborn	Faribault	Martin	Blue Earth	Jackson	Mower	Renville	Redwood	Nobles	Fillmore
Soybeans	Renville	Blue Earth	Redwood	Faribault	Jackson	Martin	Freeborn	Nobles	Cottonwood	Yellow Medicine
All Wheat	Polk	Marshall	Kittson	Clay	Norman	Roseau	Wilkin	Traverse	Grant	Pennington
Oats	Otter Tail	Stearns	Douglas	Todd	Pope	Goodhue	Roseau	Morrison	Marshall	Becker
Barley	Polk	Marshall	Clay	Norman	Wilkin	Pennington	Kittson	Becker	Otter Tail	Mahnomen
All Potatoes	Polk	Marshall	Clay	Freeborn	Kittson	Hubbard	Otter Tail	Becker	Todd	Pope
Sugarbeets	Polk	Clay	Wilkin	Norman	Renville	Chippewa	Marshall	Kittson	Grant	Traverse
Sunflowers	Polk	Norman	Wilkin	Clay	Marshall	Traverse	Roseau	Becker	Kittson	Stevens
Livestock, Dairy, and Poultry										
Cattle and Calves, Jan. 1, 1980	Stearns	Fillmore	Otter Tail	Goodhue	Wabasha	Winona	Houston	Olmsted	Todd	Morrison
Beef Cows, Jan. 1, 1980	Fillmore	Otter Tail	Houston	Polk	Wabasha	Olmsted	Roseau	Lyon	Goodhue	Winona
Milk Production, 1979	Stearns	Otter Tail	Morrison	Todd	Goodhue	Winona	Wright	Fillmore	Carver	McLeod
Stock Sheep & Lambs, Jan. 1, 1980 ^{2/}	Roseau	Marshall	Otter Tail	Nobles	Goodhue	Fillmore	Polk	Wabasha	Pipestone	Murray
Hogs, Dec. 1, 1979	Nobles	Martin	Jackson	Mower	Freeborn	Fillmore	Lyon	Murray	Faribault	Sibley
Pig Crop, 1979	Stearns	Fillmore	Martin	Freeborn	Lyon	Nobles	Murray	Faribault	Sibley	Jackson
Hens and Pullets, Dec. 1, 1979 ^{3/}	Stearns	Sibley	Clay	Meeker	Freeborn	Clearwater	Pine	Morrison	Wright	Benton
Cattle and Calves on Feed, Jan. 1, 1980	Lyon	Rock	Murray	Martin	Redwood	Cottonwood	Nobles	Stevens	Jackson	Lincoln

1/ Lyon and Yellow Medicine tied for 10th place.

2/ Wabasha and Pipestone tied for 8th place.

3/ Freeborn and Clearwater tied for 5th place.

Table 3 -- Minnesota District Farmland Values ^{1/}

Year	Southeast	Southwest	West Central	East Central	Northwest	Northeast	Minnesota
Dollars per acre							
1975	674	844	503	296	295	163	525
1976	856	1,106	624	349	378	210	667
1977	1,027	1,316	730	415	427	279	794
1978	1,191	1,421	803	498	483	304	889
1975	1,453	1,620	883	572	599	368	1,040

^{1/} From MINNESOTA AGRICULTURAL ECONOMIST, published January 1980, Agricultural Extension Service, University of Minnesota, St. Paul, Minnesota 55108, "The Minnesota Rural Real Estate Market in 1979" by David Henneberry and Philip M. Raup. Values are based on reporters' estimates of average value per acre of various grades of farmland in their area. Districts above are not comparable with crop reporting districts used in this publication.

Farm Numbers

**Table 4 -- Minnesota Farm Numbers,
Land in Farms, and Average Farm Size**

Year	Number of farms	Land in farms	Average size of farms
	Number	Thousand acres	Acres
1975	104,000	30,300	291
1976	104,000	30,300	291
1977	104,000	30,300	291
1978	104,000	30,300	291
1979	104,000	30,300	291
1980 2/	104,000	30,300	291

1/ Places which had annual sales of agricultural products of \$1,000 or more.
Series initiated with 1975.

2/ Preliminary.

NOTE: Minnesota county estimates on number of farms will not be available
until completion of the U.S. Census of Agriculture.

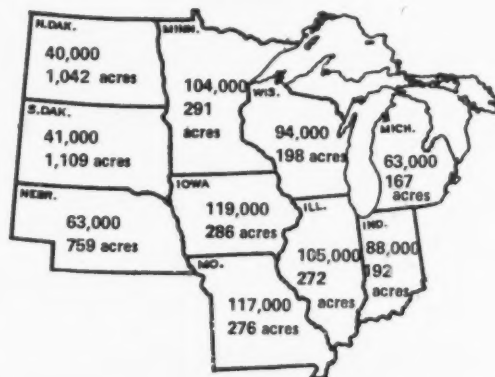
While the number of farms in the country has been declining, Minnesota farm numbers have remained constant since 1975. The size of the typical state farm hasn't changed either, holding at 291 acres.

The map below shows farm numbers and average farm size for Minnesota and the surrounding states. Of the 23,560 U.S. farms expected to be lost from 1979-80, 9,000 farms will be from the states shown below. Of these states, Minnesota and Michigan are the only 2 showing no declines.

Estimated Number of
Farms in 1980

UNITED STATES

2,309,130 farms
453 acres per farm



Photos courtesy THE LAND Magazine, Mankato, Minn.

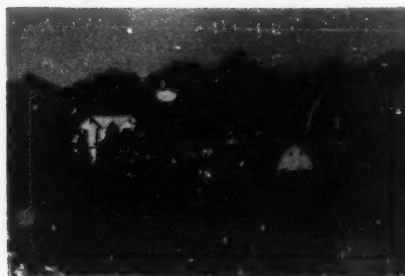


Table 5 -- Minnesota Livestock Farm Numbers 1/

Year	Number of operations with --			
	Cattle	Milk cows	Hogs	Sheep
1975	75,000	34,000	34,000	8,300
1976	73,000	31,000	34,000	7,500
1977	71,000	29,000	33,000	7,500
1978	67,000	28,000	31,000	8,000
1979 2/	65,000	28,000	33,000	8,000

1/ Operations may have more than one species; addition may be more than total farms.

2/ Preliminary.

Minnesota Farm Income

The following farm income estimates show gross farm income, farm production expenses, and net returns to farm operators for their farm work (including unpaid family) and for the capital invested in their farms and equipment.

Realized gross farm income includes cash receipts from farm marketings, government payments to farmers, value of farm products consumed in the home, value of housing provided by farm dwellings, and other farm income from recreation, machine hire, and custom work. Subtracting farm production expenses from realized gross income gives the realized net farm income. The total net income includes adjustments for increases or decreases in crop or livestock inventories.



Photo courtesy THE LAND Magazine, Mankato, Minn.

Table 6 -- Total Minnesota Farm Income

Year	Realized gross farm income					Farm production expenses	Realized net farm income	Net change in farm inventories	Total net farm income
	Cash receipts from farm marketings	Government payments	Non-money income 1/	Other farm income 2/	Total				
	----- Million dollars -----					----- Million dollars -----			
1975	3,805.7	33.9	313.2	42.9	4,199.7	3,215.4	984.3	120.6	1,104.9
1976	3,901.8	59.1	365.6	47.2	4,373.7	3,488.8	884.9	-323.7	561.2
1977	4,268.2	82.8	444.1	54.4	4,849.6	3,737.5	1,112.1	522.7	1,634.9
1978	4,851.9	164.3	493.4	59.3	5,568.9	4,094.9	1,474.1	176.0	1,650.0
1979 3/	5,567.4								

1/ Includes value of home consumption and housing.

2/ Includes income from custom work, machine hire, and recreation.

3/ Detailed data not available at time of publication.

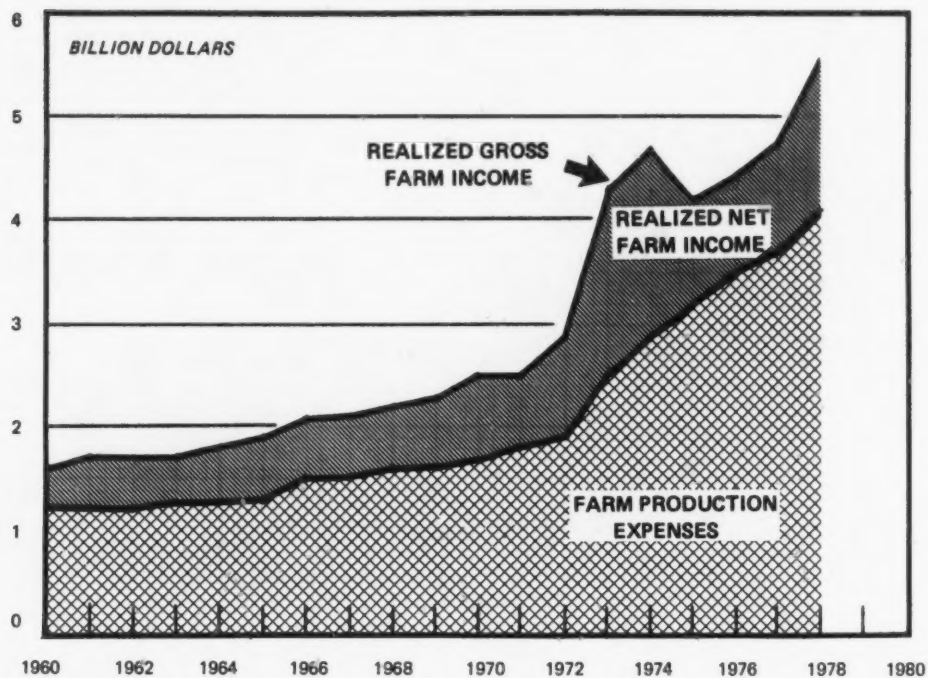
Table 7 -- Minnesota Average Income per Farm 1/

Year	Number of farms	Cash receipts from farm marketings	Realized gross income	Farm production expenses	Realized net income	Total net income
	Thousands	----- Dollars -----				
1975	104	36,593	40,382	30,918	9,464	10,624
1976	104	37,512	42,055	33,546	8,509	5,396
1977	104	41,040	46,631	35,938	10,693	15,720
1978	104	46,653	53,547	39,373	14,174	15,865
1979 2/	104	53,533				

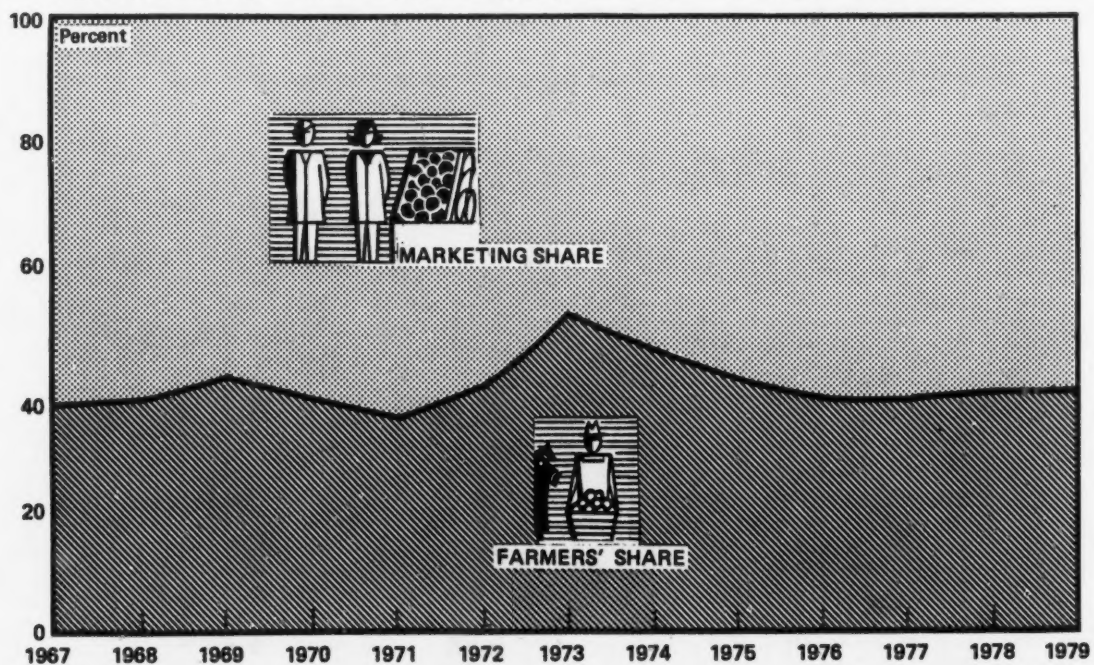
1/ Average per farm having sales of \$1,000 or more.

2/ Detailed data not available at time of publication.

Minnesota Farm Income & Expenses



Farmers' Share of Food Dollar, United States, 1967-79

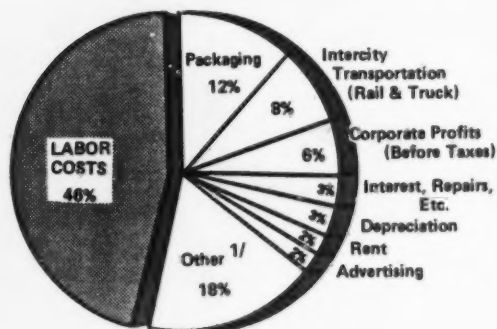


**THE FOOD DOLLAR:
PROCESSING & DISTRIBUTION
COSTS EXCEED FARM VALUE***



* Based on consumer expenditures for domestic farm foods from U.S. retail food stores, 1978.

**LABOR TAKES NEARLY HALF
OF FOOD MARKETING COSTS***



* Based on foods marketed through food stores as well as away-from-home eating places, 1978.

1/ Utilities, fuel, promotion, local hired transportation, and insurance.

Minnesota Cash Receipts

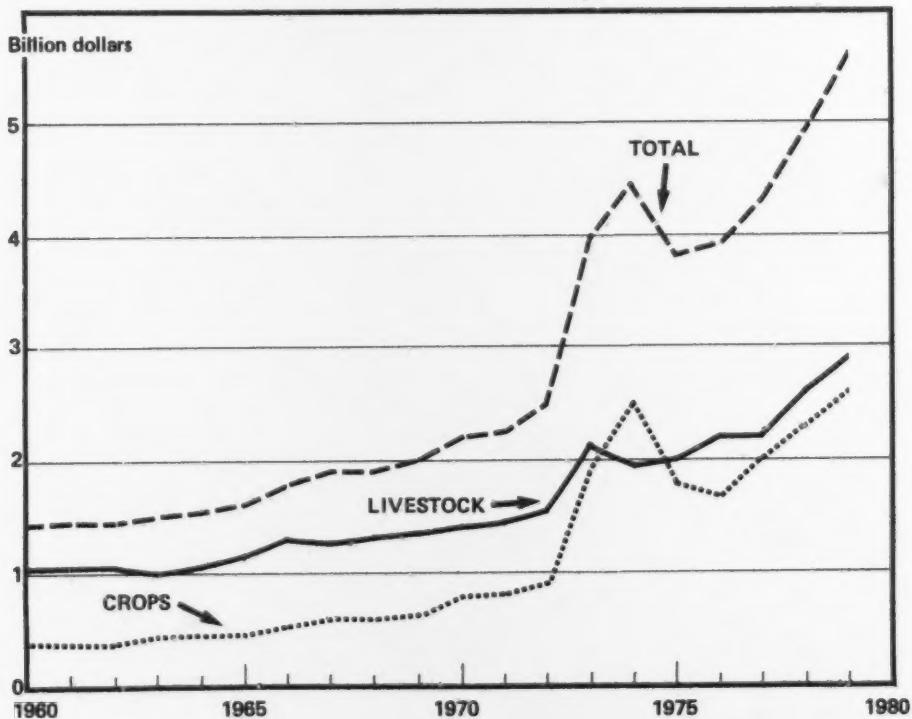


Table 8 -- Minnesota Cash Receipts from Farm Marketings

Commodity	1976 ^{1/}		1977 ^{1/}		1978	
	Dollars	Percent of total ^{2/}	Dollars	Percent of total ^{2/}	Dollars	Percent of total ^{2/}
	000	Percent	000	Percent	000	Percent
CROPS --						
Feed Crops:						
Corn.....	490,588	12.6	543,542	12.8	593,416	12.2
Oats.....	67,537	1.7	73,554	1.7	53,272	1.1
Barley.....	64,104	1.7	84,442	1.9	69,461	1.4
Hay.....	52,982	1.3	45,734	1.1	43,404	0.9
Food Grains:						
Wheat.....	307,363	7.8	358,829	8.4	298,043	6.1
Rye.....	4,373	0.1	4,743	0.1	4,801	0.1
Oil Crops:						
Soybeans.....	495,946	12.7	583,525	13.6	784,985	16.2
Flaxseed.....	13,659	0.3	8,571	0.2	13,167	0.2
Vegetable Crops:						
Potatoes.....	41,279	1.0	39,522	0.9	44,974	0.9
Sweet Corn (Processing).....	22,040	0.5	29,808	0.7	29,106	0.6
Green Peas (Processing).....	15,662	0.4	20,180	0.5	18,061	0.3
Dry Beans.....	4,566	0.1	7,196	0.2	7,519	0.1
All Seed Crops ^{3/}	8,194	0.2	9,344	0.2	10,512	0.2
Apples.....	2,750	0.1	3,233	0.1	3,634	0.1
Sugarbeets.....	56,586	1.4	88,015	2.0	102,403	2.1
Greenhouse & Nursery.....	31,346	0.8	33,227	0.8	36,550	0.7
Forest Products.....	3,232	*	3,325	0.1	3,325	0.1
Other Crops & Vegetables ^{4/}	44,580	1.1	103,094	2.4	144,223	3.0
TOTAL CROPS.....	1,726,787	44.3	2,039,884	47.8	2,260,856	46.6
LIVESTOCK PRODUCTS --						
Meat Animals:						
Cattle & Calves.....	664,297	17.0	650,552	15.2	745,689	15.3
Hogs.....	455,019	11.6	495,959	11.6	658,927	13.6
Sheep & Lambs.....	9,874	0.3	10,666	0.2	10,777	0.2
Dairy Products:						
Milk, Wholesale.....	784,771	20.1	816,687	19.1	880,005	18.1
Poultry & Eggs:						
Turkeys.....	117,183	3.0	125,315	3.0	162,177	3.4
Turkey Eggs.....	16,920	0.4	14,324	0.3	12,167	0.3
Broilers.....	17,412	0.4	16,828	0.4	19,607	0.4
Farm Chickens.....	1,238	*	1,060	*	1,034	*
Eggs.....	82,256	2.1	75,421	1.7	76,423	1.5
Honey & Beeswax.....	6,875	0.1	6,120	0.1	7,211	0.1
Wool.....	1,116	*	1,257	*	1,244	*
Other Livestock & Products ^{5/} ...	18,009	0.4	14,154	0.3	15,821	0.3
TOTAL LIVESTOCK.....	2,174,970	55.7	2,228,343	52.2	2,591,082	53.4
TOTAL ALL CROPS & LIVESTOCK.....	3,901,757	100.0	4,268,227	100.0	4,851,938	100.0

1/ Revised. 2/ Percents may not add due to method of machine computation. 3/ Kentucky Bluegrass, red clover, timothy, and other seeds.

4/ Asparagus, green lima beans, snap beans, cabbage, onions, carrots, cucumbers, miscellaneous vegetables, mushrooms, other fruits, wild rice, and field crops including sunflowers.

5/ Milkfat, retail milk, mink, goats, horses, mules, ducks, geese, and other livestock.

* Less than .05 percent.

Table 9 - Minnesota Cash Income Received by Farmers, by County

District and county	1977				1978			
	Crops	Livestock 1/	Government payments	Total	Crops	Livestock 1/	Government payments	Total
	----- Thousand dollars -----				----- Thousand dollars -----			
Northwest Dist. (1)								
Becker	13,590	27,900	1,036	42,526	14,902	31,725	2,576	49,203
Clay	58,202	14,658	2,513	75,373	67,098	16,882	8,005	91,985
Clearwater	3,368	8,626	328	12,322	3,677	9,881	499	14,057
Kittson	37,980	3,243	2,711	43,934	42,714	3,713	8,057	54,484
Mahnomen	6,456	6,308	349	13,113	7,279	7,170	2,527	16,976
Marshall	60,992	6,961	3,353	71,306	69,597	7,995	11,192	88,784
Norman	37,349	12,289	1,859	51,497	43,556	14,109	7,472	65,137
Pennington	13,615	7,174	328	21,117	14,510	8,217	2,608	25,335
Polk	98,201	15,623	3,457	117,281	115,803	17,779	15,019	148,601
Red Lake	11,032	4,522	390	15,944	11,760	5,119	2,215	19,094
Roseau	27,332	12,003	692	40,027	28,066	13,527	3,925	45,518
Total	368,117	119,307	17,016	504,440	418,962	136,117	64,095	619,174
North Cent. Dist. (2)								
Beltrami	3,492	5,481	248	9,221	3,681	6,186	490	10,357
Cass	1,595	6,795	796	9,186	1,781	7,650	385	9,816
Hubbard	1,749	4,383	256	6,388	1,889	5,056	262	7,207
Itasca	1,410	2,723	113	4,246	1,522	3,071	136	4,729
Koochiching	859	1,581	100	2,540	909	1,806	96	2,811
Lake of the Woods	3,918	1,441	156	5,515	4,089	1,650	508	6,247
Total	13,023	22,404	1,669	37,096	13,871	25,419	1,877	41,167
Northeast Dist. (3)								
Cook	--	--	--	--	--	--	--	--
Lake	95	81	11	187	106	93	17	216
St. Louis	2,387	6,036	234	8,657	2,605	6,759	235	9,599
Total	2,482	6,117	245	8,844	2,711	6,852	252	9,815
West Central Dist. (4)								
Big Stone	20,875	13,868	1,062	35,805	22,278	16,519	1,875	40,672
Chippewa	34,477	20,077	328	54,882	37,097	24,311	2,139	63,547
Douglas	9,764	29,361	1,418	40,543	11,211	33,049	1,084	45,344
Grant	27,970	12,929	695	41,594	32,212	15,095	2,883	50,190
Lac Qui Parle	39,482	24,047	2,701	66,230	43,500	28,930	3,157	75,587
Otter Tail	30,532	76,033	5,118	111,683	34,712	65,760	3,684	124,156
Pope	18,426	26,614	1,145	46,185	20,269	30,445	1,466	52,180
Stevens	28,051	34,931	744	63,726	30,696	41,353	2,264	74,313
Swift	39,533	36,235	1,270	77,038	43,157	42,856	2,237	88,250
Traverse	30,866	10,206	738	41,810	34,140	12,122	2,756	49,018
Wilkin	39,698	8,140	1,656	49,494	46,766	9,720	5,241	61,727
Yellow Medicine	44,195	30,546	1,726	76,467	47,228	36,935	3,122	87,285
Total	363,869	322,987	18,601	705,457	403,266	377,095	31,908	812,269
Central Dist. (5)								
Benton	4,364	24,255	550	29,169	4,816	27,420	694	32,930
Carver	8,637	34,178	284	43,099	9,712	38,312	598	48,622
Kandiyohi	32,987	59,177	865	93,029	35,787	68,959	2,308	107,054
McLeod	23,886	37,742	848	62,476	25,979	42,993	1,139	70,111
Meeker	24,780	41,761	387	66,928	27,092	48,405	1,677	77,174
Morrison	6,294	42,261	2,477	51,032	6,820	47,568	722	55,110
Renville	88,581	40,076	2,554	131,211	97,289	48,214	2,001	147,504
Scott	9,865	21,729	113	31,707	11,034	24,749	500	36,283
Sherburne	10,133	9,834	286	20,253	11,018	11,549	403	22,970
Sibley	37,786	43,874	1,099	82,759	41,960	51,630	1,384	94,974
Stearns	19,520	116,757	2,025	138,302	21,372	132,488	1,837	155,697
Todd	8,770	42,396	3,102	54,268	9,631	47,448	781	57,860
Wadena	3,452	15,216	888	19,556	3,718	17,449	427	21,594
Wright	14,691	40,761	369	55,821	16,203	46,022	760	62,985
Total	293,746	570,017	15,847	879,610	322,431	653,206	15,231	990,868

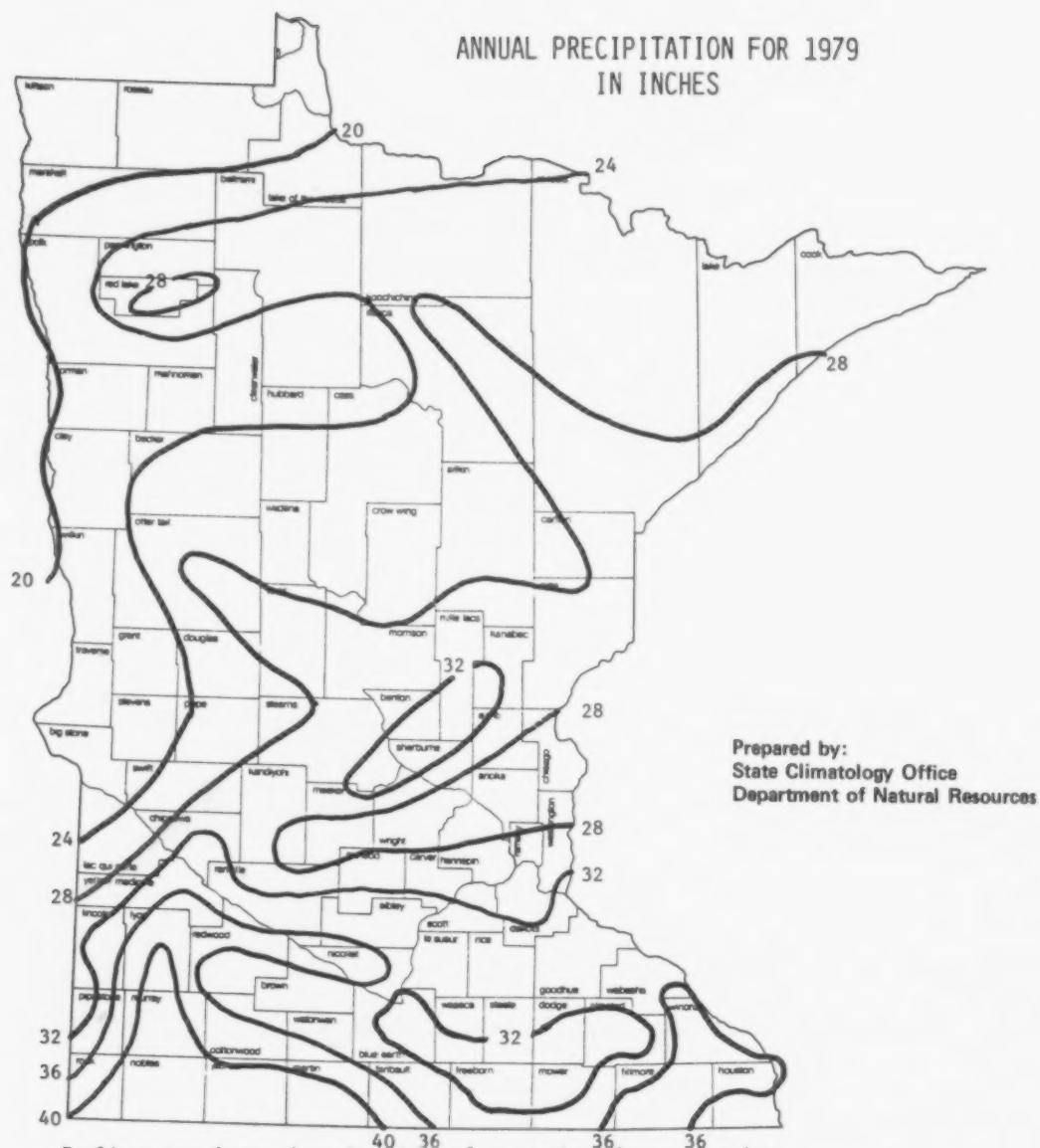
Table 9 - Minnesota Cash Income Received by Farmers, by County (continued)

District and county	1977				1978			
	Crops	Livestock 1/	Government payments	Total	Crops	Livestock 1/	Government payments	Total
----- Thousand dollars -----					----- Thousand dollars -----			
<u>East Cent. Dist. (6)</u>								
Aitkin	2,199	9,765	275	12,239	2,384	11,021	183	13,588
Anoka	7,824	7,427	83	15,334	8,234	8,681	213	17,128
Carlton	1,373	6,288	280	7,941	1,485	6,913	162	8,560
Chisago	7,134	13,344	214	20,692	7,808	14,976	929	23,713
Crow Wing	1,773	6,203	426	8,402	1,919	7,001	154	9,074
Hennepin	14,643	14,097	112	28,852	16,014	15,790	180	31,984
Isanti	7,651	10,450	200	18,301	8,425	11,883	704	21,012
Kanabec	2,157	12,183	383	14,723	2,370	13,624	329	16,323
Mille Lacs	2,355	18,545	569	21,469	2,517	20,531	271	23,319
Pine	3,522	20,258	608	24,388	3,763	22,535	470	26,768
Ramsey	3,724	148	1	3,873	4,053	181	2	4,236
Washington	14,104	12,624	259	26,987	15,645	14,379	487	30,511
Total	68,459	131,332	3,410	203,201	74,617	147,515	4,084	226,216
<u>Southwest Dist. (7)</u>								
Cottonwood	44,043	38,846	526	83,415	49,388	46,572	2,080	98,040
Jackson	46,328	48,229	488	95,045	50,796	58,579	2,345	111,720
Lincoln	15,526	27,122	2,057	44,705	16,672	32,138	1,807	50,617
Lyon	32,209	52,288	3,847	88,344	34,445	62,595	3,122	100,162
Murray	34,236	49,016	2,916	86,168	38,216	58,269	2,493	98,978
Nobles	35,187	61,758	1,271	98,216	39,281	74,514	2,139	115,934
Pipestone	13,388	31,833	1,938	47,159	14,687	37,723	1,303	53,713
Redwood	61,621	48,485	4,882	114,988	67,233	58,266	2,622	128,121
Rock	21,003	57,656	1,688	80,347	23,773	68,525	1,735	94,033
Total	303,541	415,233	19,613	738,387	334,491	497,181	19,646	851,318
<u>South Cent. Dist. (8)</u>								
Blue Earth	56,844	30,286	364	87,494	63,163	37,089	1,593	101,845
Brown	35,133	43,488	1,129	79,750	38,706	51,839	1,505	92,050
Faribault	64,547	36,932	190	101,669	70,584	45,263	1,292	117,139
Freeborn	58,725	41,451	201	100,377	65,374	50,644	1,819	117,837
LeSueur	25,971	25,501	258	51,730	28,811	30,462	1,418	60,691
Martin	52,403	53,105	210	105,718	56,806	65,040	1,785	123,631
Nicollet	30,174	28,270	442	58,886	33,441	33,828	1,039	68,308
Rice	19,033	36,912	204	56,149	20,963	42,685	1,126	64,774
Steele	24,773	29,384	306	54,463	27,176	34,592	1,293	63,061
Waseca	35,670	18,836	275	54,781	40,254	22,686	992	63,932
Watsonwan	33,816	23,716	153	57,685	36,984	28,987	1,323	67,294
Total	437,089	367,881	3,732	808,702	482,262	443,115	15,185	940,562
<u>Southeast Dist. (9)</u>								
Dakota	25,222	25,547	760	51,529	28,044	29,321	1,145	58,510
Dodge	26,526	29,004	217	55,747	28,416	33,806	1,758	63,980
Fillmore	22,685	67,463	229	90,377	25,209	79,925	1,538	106,672
Goodhue	23,419	53,489	191	77,099	25,516	60,728	1,483	87,727
Houston	6,493	41,423	122	48,038	7,299	48,272	1,062	56,633
Mower	42,239	41,039	596	83,874	46,813	49,454	1,769	98,036
Olmsted	18,895	41,983	292	61,170	20,334	48,398	1,377	70,109
Wabasha	12,706	34,701	166	47,573	13,910	39,738	1,055	54,703
Winona	11,373	50,667	142	62,182	12,704	57,466	880	71,050
Total	189,558	385,316	2,715	577,589	208,245	447,108	12,067	667,420
STATE TOTAL	2,039,884	2,340,594	82,848	4,463,326	2,260,856	2,733,608	164,345	5,158,809

1/ Includes estimates of inter-farm and intra-state sales of livestock, resulting in larger total cash receipts than shown in USDA estimates on previous pages.

SOURCE: Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C.

Climatic Summary



Isolines are drawn through points of approximately equal value.
Caution should be used in interpolating on these maps.

Table 10 -- Average Frost Dates in Minnesota 1/

District and station	County	Average date of last temperature occurrence in spring of:			Average date of first temperature occurrence in fall of:			Number of days between average last spring and first fall occurrence of:		
		24°F	28°F	32°F	32°F	28°F	24°F	32°F	28°F	24°F
Northwest District (1):										
Ada	Norman	APR 29	MAY 9	MAY 23	SEP 20	SEP 30	OCT 8	120	144	162
Argyle	Marshall	MAY 3	MAY 12	MAY 24	SEP 17	SEP 29	OCT 7	116	140	157
Crookston	Polk	APR 29	MAY 9	MAY 22	SEP 21	OCT 1	OCT 11	122	145	165
Detroit Lakes	Becker	APR 28	MAY 8	MAY 20	SEP 22	OCT 3	OCT 14	125	148	169
Fosston	Polk	MAY 1	MAY 10	MAY 24	SEP 16	SEP 30	OCT 9	115	143	161
Hallock	Kittson	MAY 10	MAY 16	MAY 28	SEP 15	SEP 26	OCT 2	110	133	145
Moorhead	Clay	APR 22	MAY 3	MAY 12	SEP 28	OCT 8	OCT 16	139	158	177
Red Lake Falls	Red Lake	MAY 3	MAY 14	MAY 23	SEP 16	SEP 27	OCT 7	116	136	157
Roseau	Roseau	MAY 6	MAY 16	MAY 26	SEP 13	SEP 23	OCT 6	110	130	153
Warroad	Roseau	MAY 3	MAY 12	MAY 24	SEP 19	SEP 30	OCT 9	118	141	159
North Central District (2):										
Baudette	Lake of the Woods	MAY 1	MAY 13	MAY 26	SEP 15	SEP 28	OCT 6	112	138	158
Bemidji	Beltrami	MAY 1	MAY 17	MAY 29	SEP 13	SEP 28	OCT 3	107	134	155
Big Falls	Koochiching	MAY 4	MAY 17	JUN 4	SEP 7	SEP 18	OCT 4	95	124	153
Grand Rapids	Itasca	MAY 6	MAY 17	MAY 30	SEP 9	SEP 23	OCT 3	102	129	150
Park Rapids	Hubbard	MAY 1	MAY 11	MAY 21	SEP 20	OCT 3	OCT 9	122	145	161
Northeast District (3):										
Babbitt	St. Louis	MAY 1	MAY 12	MAY 20	SEP 24	OCT 8	OCT 16	127	149	168
Duluth (Airport)	St. Louis	MAY 3	MAY 8	MAY 22	SEP 24	OCT 6	OCT 17	125	151	167
Grand Marais	Cook	APR 25	MAY 11	MAY 23	SEP 29	OCT 13	OCT 25	129	155	183
Meadowlands	St. Louis	MAY 11	MAY 20	JUN 4	AUG 31	SEP 16	OCT 2	68	119	144
Two Harbors	Lake	APR 21	MAY 3	MAY 15	OCT 5	OCT 17	OCT 31	143	167	193
Virginia	St. Louis	MAY 4	MAY 13	MAY 26	SEP 18	SEP 29	OCT 9	115	139	158
West Central District (4):										
Alexandria	Douglas	APR 19	MAY 1	MAY 12	SEP 30	OCT 8	OCT 25	141	160	189
Beardsley	Big Stone	APR 25	MAY 6	MAY 17	SEP 23	OCT 2	OCT 12	129	149	167
Campbell	Wilkin	APR 28	MAY 5	MAY 18	SEP 22	SEP 30	OCT 7	127	148	162
Canby	Yellow Medicine	APR 18	APR 29	MAY 10	OCT 2	OCT 10	OCT 22	145	164	187
Fergus Falls	Otter Tail	APR 23	MAY 2	MAY 13	SEP 25	OCT 6	OCT 18	135	157	178
Montevideo	Lac Qui Parle	APR 16	APR 28	MAY 7	OCT 1	OCT 13	OCT 24	147	168	191
Morris	Stevens	APR 23	MAY 6	MAY 15	SEP 25	OCT 2	OCT 14	133	149	174
Wheaton	Traverse	APR 24	MAY 4	MAY 10	SEP 25	OCT 3	OCT 15	138	152	172
Central District (5):										
Bird Island	Renville	APR 14	APR 27	MAY 9	SEP 30	OCT 10	OCT 22	144	166	191
Little Falls	Morrison	APR 22	APR 30	MAY 10	SEP 26	OCT 7	OCT 18	139	160	180
St. Cloud	Stearns	APR 18	APR 24	MAY 9	SEP 29	OCT 13	OCT 21	143	172	186
Wadena	Wadena	APR 27	MAY 8	MAY 22	SEP 21	SEP 30	OCT 12	122	145	168
Willmar	Kandiyohi	APR 19	APR 28	MAY 8	SEP 29	OCT 7	OCT 23	144	162	187
East Central District (6):										
Brainerd	Crow Wing	APR 24	MAY 4	MAY 16	SEP 24	SEP 30	OCT 14	131	149	173
Cambridge	Isanti	APR 20	APR 29	MAY 13	SEP 26	OCT 5	OCT 17	136	169	170
Hinckley	Pine	APR 22	MAY 4	MAY 19	SEP 24	OCT 3	OCT 14	128	152	175
Maple Plain	Hennepin	APR 16	APR 26	MAY 7	OCT 5	OCT 14	OCT 26	151	171	193
Milaca	Miller	APR 22	MAY 3	MAY 12	SEP 25	OCT 8	OCT 18	136	158	179
Moose Lake	Carlton	APR 30	MAY 15	MAY 24	SEP 13	SEP 27	OCT 13	112	135	166
Mora	Kanabec	APR 22	MAY 5	MAY 14	SEP 26	OCT 2	OCT 17	135	150	178
Southwest District (7):										
Pipestone	Pipestone	APR 20	MAY 3	MAY 9	OCT 1	OCT 9	OCT 22	145	159	185
Redwood Falls	Redwood	APR 14	APR 26	MAY 3	OCT 3	OCT 15	OCT 23	153	172	192
Tracy	Lyon	APR 17	APR 30	MAY 8	OCT 6	OCT 15	OCT 23	151	168	179
Worthington	Nobles	APR 15	APR 30	MAY 7	OCT 4	OCT 16	OCT 23	150	169	191
South Central District (8):										
Albert Lea	Freeborn	APR 6	APR 20	MAY 3	OCT 6	OCT 21	OCT 28	156	184	205
Fairmont	Martin	APR 11	APR 25	MAY 5	OCT 8	OCT 18	OCT 27	156	176	199
Faribault	Rice	APR 17	APR 27	MAY 6	OCT 5	OCT 17	OCT 25	152	173	191
New Ulm	Brown	APR 19	MAY 1	MAY 13	SEP 27	OCT 6	OCT 21	137	158	185
St. Peter	Nicollet	APR 10	APR 28	MAY 9	SEP 30	OCT 12	OCT 23	144	167	196
Waseca	Waseca	APR 18	APR 28	MAY 9	SEP 29	OCT 10	OCT 23	143	165	188
Winnebago	Faribault	APR 13	APR 28	MAY 5	OCT 6	OCT 18	OCT 27	154	173	197
Southeast District (9):										
Farmington	Dakota	APR 15	APR 25	MAY 9	OCT 1	OCT 10	OCT 22	145	168	190
Grand Meadow	Mower	APR 14	MAY 1	MAY 10	SEP 29	OCT 11	OCT 25	142	163	194
Winona	Winona	APR 2	APR 17	APR 28	OCT 9	OCT 22	NOV 2	164	188	215
Zumbrota	Goodhue	APR 19	MAY 3	MAY 14	SEP 30	OCT 7	OCT 19	139	157	183

1/ From data prepared by the National Weather Service Forecast Office, Minneapolis, Minnesota.

SECTION II Crops

Minnesota farmers harvested record soybean and sunflower crops in 1979. The state's corn crop was the second largest on record but small grain output fell.

Spring planting and subsequent crop development averaged 2 weeks or more later than normal for nearly all crops during the season. Fortunately, moisture was adequate and temperatures were favorable—neither too hot for small grains nor too cool for row crops. In the fall, frosts stayed away long enough for late crops to mature without any significant damage.

For the third consecutive year, Minnesota farmers harvested a corn crop that yielded 100 bushels or more per acre. Production totaled 606 million bushels, 6 percent smaller than the record 1978 crop. The 100 bushel-per-acre yield tied the 1977 yield but fell 4 bushels below 1978. Acreage for grain amounted to 6.06 million acres.

The state's soybean production rose 15 percent to a new record—167.36 million bushels. This was the result of a 29-percent acreage increase to 5.3 million planted and 5.23 million harvested acres. Yields dropped 4 bushels to 32 bushels per acre.

The 1979 Minnesota wheat crop totaled 90.384 million bushels, 3 percent smaller than last year. Yields averaged 35.1 bushels per acre, up from 33.6 bushels in 1978. Seeded acreage declined 7 percent to 2.64 million acres and harvested acreage to 2.578 million acres.

The oat crop fell 14 percent to 84.93 million bushels. The 57 bushel-per-acre yield topped last year by 3 bushels. Growers planted 1.65 million acres and harvested 1.49 million acres for grain.

Barley production amounted to 40.81 million bushels. The 53 bushel-per-acre yield compares with the 1978 yield of 49.5 bushels. Seeded acreage totaled 780,000 and harvested acreage 770,000.

Farmers harvested 2.275 million bushels of rye in 1979. The 25 bushel-per-acre yield was up 1 bushel from last year.

Major Minnesota Crops - 1978-79

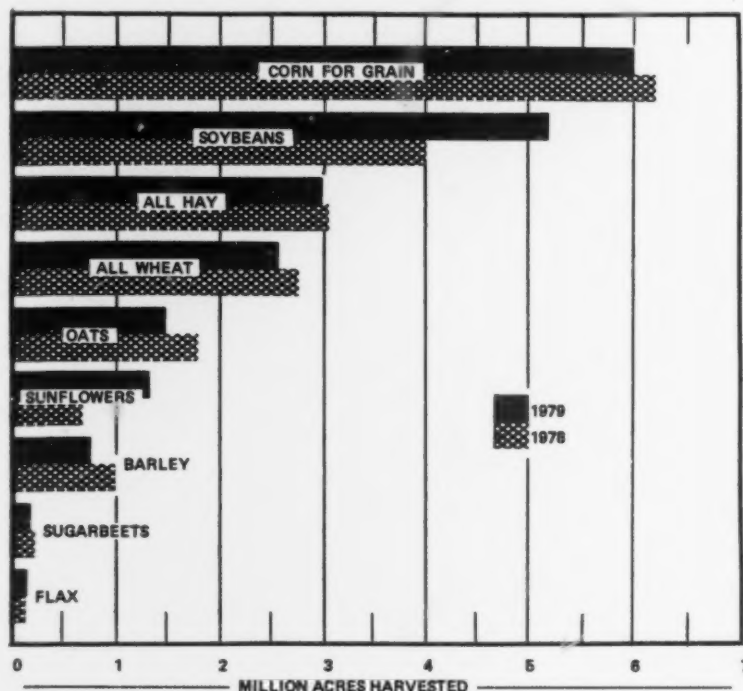


Photo courtesy THE LAND Magazine, Mankato, Minn.

Sunflower output jumped to 1.87 billion pounds, up 74 percent from the 1978 crop. Acreage nearly doubled to 1.4 million planted acres. The average yield was 1,389 pounds per acre.

The flax crop at 2.2 million bushels gained 1 percent from the previous year. Harvested acreage totaled 153,000 acres with an average yield of 14.5 bushels per acre compared with 15.5 bushels in 1978. Farmers seeded 160,000 acres.

Sugarbeet tonnage declined by one-fourth as harvested acreage dropped 7 percent to 244,000 acres and yields fell to 15.5 tons per acre.

Potato production totaled 14.7 million hundredweight in 1979. Planted acreage dropped to 74,300 acres and yields declined from 1978's record yield to 198 hundredweight per acre.

Production of all types of hay equaled 9.03 million tons, 1 percent more than the previous year. Farmers harvested 3.01 million acres with an average yield of 3.00 tons per acre.

Table 11 -- Minnesota's Principal Crops: Acreage, Yield, Production, Price, and Value

Crop	Acreage harvested			Yield per acre			Production			Season average price		Value of production	
	1977	1978	1979	Unit	1977	1978	1979	Unit	1977	1978	1979	1978	1979
	----- Thousand acres -----								----- Dollars -----		----- Thousand dollars -----		
Corn for Grain	6,000	6,190	6,060	Bu.	100.0	104.0	100.0	Bu.	600,000	643,760	606,000	2.08	1,212,000
Soybeans	3,770	4,060	5,230	Bu.	35.5	36.0	32.0	Bu.	133,835	146,160	167,360	6.52	952,963
Oats	2,380	1,830	1,400	Bu.	68.0	54.0	57.0	Bu.	161,840	98,820	94,330	1.12	110,678
All Wheat	3,327	2,776	2,578	Bu.	39.6	33.6	36.1	Bu.	131,894	93,225	90,394	2.96	275,551
Winter Wheat	105	58	61	Bu.	33.0	29.0	35.0	Bu.	3,465	1,682	1,795	3.71	4,508
Durum Wheat	82	98	77	Bu.	34.5	38.5	37.0	Bu.	2,829	3,773	2,948	2.68	6,248
Other Spring Wheat	3,140	2,620	2,440	Bu.	40.0	33.5	36.0	Bu.	125,600	97,770	86,790	2.98	11,244
Barley	1,080	1,050	770	Bu.	51.0	49.5	63.0	Bu.	55,080	51,975	40,810	2.96	256,799
Rye	84	98	91	Bu.	29.0	24.0	26.0	Bu.	2,436	2,352	2,275	1.87	87,742
Flax	220	142	163	Bu.	14.5	15.5	14.5	Bu.	3,190	2,201	2,219	2.03	4,775
All Sunflowers	518	698	1,247	Lbs.	1,558	1,533	1,399	Lbs.	807,060	1,072,020	1,870,620	5.70	12,546
Oil Sunflowers	449	640	1,200	Lbs.	1,590	1,540	1,390	Lbs.	713,910	985,600	1,792,100	11.50 1/	8,831 1/
Non-oil Sunflowers	69	58	57	Lbs.	1,350	1,490	1,360	Lbs.	93,150	86,420	77,820	11.60 1/	114,330
Dry Edible Beans	30	42	36	Lbs.	1,320	1,410	1,660	Cwt.	396	592	562	10.50 1/	9,074
All Hay	3,140	3,060	3,010	Ton	2.59	2.92	3.00	Ton	8,136	8,932	9,000	13.70	8,110
Alfalfa Hay	2,200	2,140	2,160	Ton	3.10	3.40	3.40	Ton	6,820	7,278	7,310	41.00	366,212
All Other Hay	940	920	850	Ton	1.40	1.80	2.00	Ton	1,316	1,658	1,720	--	--
All Potatoes	79.5	78.0	74.5	Cwt.	189	216	198	Cwt.	15,023	16,870	14,716	2.95	49,461
Summer Potatoes	7.5	7.0	6.5	Cwt.	275	280	285	Cwt.	2,063	1,960	1,798	2.79	4,961
Fall Potatoes	72.0	71.0	68.0	Cwt.	180	210	180	Cwt.	12,960	14,910	12,920	4.62	9,055
Sugarbeets	260	263	344	Ton	18.2	18.9	15.5	Ton	4,732	4,971	3,762	2.71	40,406
Red Clover Seed	12	38	30	Lbs.	100	110	96	Lbs.	1,200	4,180	2,960	21.80	108,368
Timothy Seed	35	49	55	Lbs.	225	235	255	Lbs.	7,875	11,515	13,515	58.00 1/	2,424
Commercial Apples	--	--	--	--	--	--	--	Lbs.	19,900 2/	28,000 2/	12,900 2/	47.00 1/	5,412
												15.1 3/	4,228
												-- Dollars --	-- Thousand dollars --
Carrots 4/	1,100	1,300	1,800	Cwt.	485	425	390	Cwt.	534,000	553,000	608,000	3.61	1,938
Onions 5/	840	970	480	Cwt.	260	230	250	Cwt.	218,000	223,000	125,000	4.86	2,857
Sweet Corn, Processing	120,000	111,500	90,300	Ton	5.40	5.75	5.72	Ton	648,000	641,100	562,290	5.90	1,080
Green Peas, Processing	65,600	67,900	73,000	Ton	1.53	1.22	1.53	Ton	100,400	82,850	111,900	45.40	29,106
Shelled												218.00	18,061
												220.00	24,572

1/ Price per hundredweight.

2/ Based on utilized production.

3/ Cents per pound.

4/ For fresh market and processing.

5/ Includes some quantities of storage crop onions harvested but not sold because of shrinkage and waste.

Table 12 -- Minnesota Crop Production, Disposition, and Value of Sales

Crop year	Corn				Soybeans			
	Production	Used on farms where produced	Sold	Value of sales 1/	Production	Used on farms where produced	Sold	Value of sales 1/
	---- 1,000 bushels ----			1,000 dol.	---- 1,000 bushels ----			1,000 dol.
1975	407,400	187,404	219,996	549,990	98,550	1,774	96,776	485,816
1976	330,400	158,592	171,808	348,770	66,440	2,193	64,247	463,863
1977	600,000	276,000	324,000	615,600	133,835	2,275	131,560	776,204
1978	643,760	276,817	366,943	763,241	146,160	2,777	143,383	934,857
1979	606,000	272,700	333,300	666,600	167,360	2,678	164,682	955,156

All Wheat					Oats			
1975	88,368	3,093	85,275	340,234	104,000	61,360	42,640	62,681
1976	130,482	3,262	127,220	348,752	94,760	54,013	40,747	63,158
1977	131,894	3,957	127,937	316,530	161,840	82,538	79,302	80,095
1978	93,225	2,517	90,708	268,111	98,820	55,339	43,481	48,699
1979	90,384	2,531	87,853	326,371	84,930	51,807	33,123	41,404

Barley					Rye			
1975	30,590	4,894	25,696	69,636	2,225	178	2,047	4,913
1976	35,260	5,642	29,618	69,602	2,048	164	1,884	4,804
1977	55,080	7,711	47,369	77,211	2,436	219	2,217	4,767
1978	51,975	7,276	44,699	83,587	2,352	165	2,187	4,440
1979	40,810	6,121	34,689	74,581	2,275	159	2,116	4,655

Flaxseed					All Hay			
					----- 1,000 tons -----			1,000 dol.
1975	2,875	115	2,760	18,188	8,005	6,964	1,041	51,530
1976	1,950	111	1,839	13,480	5,765	4,958	807	56,894
1977	3,190	128	3,062	13,963	8,136	7,241	895	42,513
1978	2,201	110	2,091	11,919	8,932	7,860	1,072	43,952
1979	2,219	111	2,108	12,437	9,030	8,037	993	39,224

1/ Value of sales is the season average price times the amount of a crop sold. See Table 11 for the season average price.

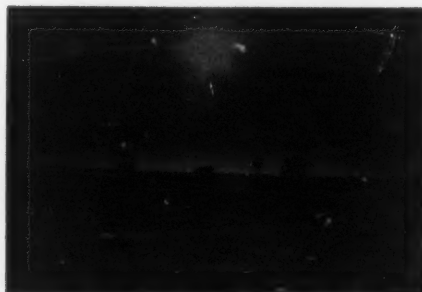


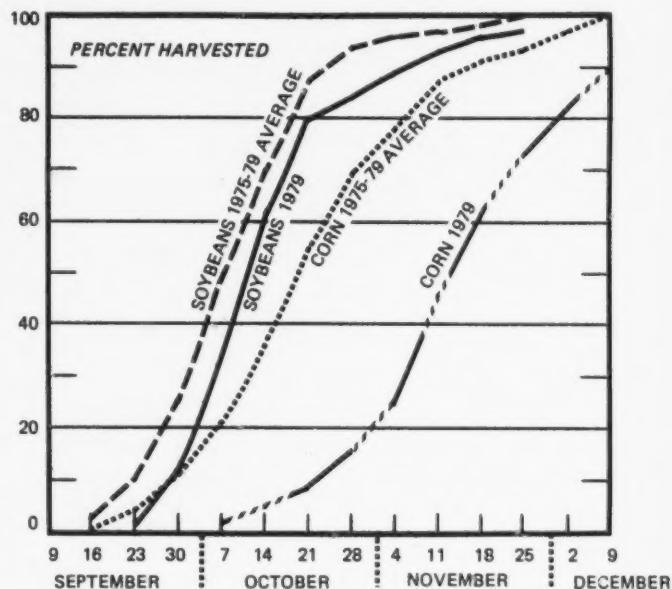
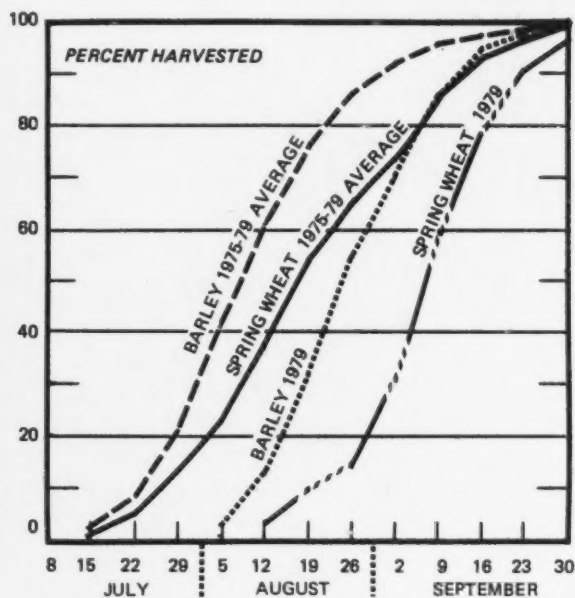
Photo courtesy the AUSTIN HERALD, Austin, Minn.

Table 13 - Average Dates of Planting and Harvesting Completion, Minnesota

Crop and year	Date Planting completed					Date Harvesting completed				
	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent	10 Percent	25 Percent	50 Percent	75 Percent	90 Percent
Corn:										
1979.....	MAY 14	MAY 17	MAY 21	MAY 26	JUN 2	OCT 22	NOV 4	NOV 12	NOV 27	DEC 9
1978.....	MAY 6	MAY 10	MAY 15	MAY 21	MAY 28	OCT 4	OCT 10	OCT 18	OCT 26	NOV 3
1975-1979 Average.....	MAY 1	MAY 6	MAY 14	MAY 21	MAY 27	SEP 29	OCT 10	OCT 19	NOV 1	NOV 15
Soybeans:										
1979.....	MAY 20	MAY 23	MAY 28	JUN 2	JUN 8	SEP 29	OCT 4	OCT 11	OCT 18	NOV 6
1978.....	MAY 14	MAY 18	MAY 23	MAY 29	JUN 8	SEP 26	OCT 1	OCT 8	OCT 15	OCT 22
1975-1979 Average.....	MAY 11	MAY 16	MAY 22	MAY 28	JUN 4	SEP 23	SEP 30	OCT 7	OCT 16	OCT 24
Spring Wheat:										
1979.....	MAY 10	MAY 15	MAY 21	MAY 28	JUN 5	AUG 20	AUG 31	SEP 6	SEP 14	SEP 22
1978.....	APR 30	MAY 3	MAY 8	MAY 12	MAY 18	AUG 6	AUG 10	AUG 16	SEP 2	SEP 7
1975-1979 Average.....	APR 12	APR 23	MAY 7	MAY 17	MAY 25	JUL 26	AUG 6	AUG 17	SEP 2	SEP 13
Oats:										
1979.....	MAY 1	MAY 9	MAY 17	MAY 23	JUN 1	AUG 9	AUG 15	AUG 29	SEP 6	SEP 13
1978.....	APR 29	MAY 3	MAY 8	MAY 14	MAY 20	JUL 31	AUG 4	AUG 9	AUG 15	AUG 30
1975-1979 Average.....	APR 12	APR 21	MAY 6	MAY 15	MAY 22	JUL 20	JUL 29	AUG 8	AUG 19	SEP 2
Barley:										
1979.....	MAY 15	MAY 19	MAY 24	MAY 31	JUN 7	AUG 11	AUG 17	AUG 24	SEP 4	SEP 11
1978.....	MAY 2	MAY 6	MAY 11	MAY 16	MAY 21	JUL 29	AUG 2	AUG 7	AUG 13	AUG 24
1975-1979 Average.....	APR 18	APR 29	MAY 12	MAY 21	MAY 28	JUL 23	JUL 31	AUG 8	AUG 18	AUG 31
Flax:										
1979.....	MAY 18	MAY 23	JUN 1	JUN 8	JUN 15	SEP 4	SEP 12	SEP 22	OCT 1	OCT 18
1978.....	MAY 12	MAY 18	MAY 23	JUN 2	JUN 8	AUG 25	SEP 5	SEP 14	SEP 26	OCT 10
1975-1979 Average.....	APR 29	MAY 9	MAY 20	MAY 31	JUN 7	AUG 11	AUG 24	SEP 10	SEP 25	OCT 7
Sunflowers:										
1979.....	MAY 22	MAY 25	MAY 31	JUN 6	JUN 13	OCT 1	OCT 8	OCT 18	NOV 5	DEC 2
1978.....	MAY 13	MAY 18	MAY 23	MAY 28	JUN 5	SEP 23	SEP 28	OCT 6	OCT 16	OCT 22
1975-1979 Average.....	MAY 6	MAY 14	MAY 24	MAY 31	JUN 6	SEP 19	OCT 1	OCT 11	OCT 22	NOV 3
Alfalfa Hay: 1/										
1979.....						JUN 11	JUN 16	JUN 24	JUL 2	JUL 12
1978.....						JUN 5	JUN 10	JUN 15	JUN 23	JUL 6
1975-1979 Average.....						JUN 3	JUN 8	JUN 16	JUN 26	JUL 6
Winter Wheat:										
1979.....	SEP 2	SEP 8	SEP 17	SEP 24	OCT 2	AUG 2	AUG 8	AUG 14	AUG 23	SEP 4
1978.....	AUG 30	SEP 6	SEP 16	SEP 24	OCT 2	JUL 25	JUL 29	AUG 4	AUG 8	AUG 12
1975-1979 Average.....	AUG 28	SEP 5	SEP 15	SEP 25	OCT 4	JUL 13	JUL 24	JUL 31	AUG 9	AUG 17
Rye:										
1979.....	SEP 3	SEP 10	SEP 19	SEP 26	OCT 4	AUG 5	AUG 9	AUG 15	AUG 27	SEP 3
1978.....	AUG 29	SEP 6	SEP 17	SEP 25	OCT 5	JUL 28	AUG 1	AUG 5	AUG 10	AUG 15
1975-1979 Average.....	AUG 30	SEP 6	SEP 16	SEP 27	OCT 6	JUL 16	JUL 24	JUL 31	AUG 10	AUG 18
Sugarbeets:										
1979.....	MAY 15	MAY 17	MAY 20	MAY 24	MAY 27	OCT 7	OCT 10	OCT 13	OCT 19	OCT 25
1978.....	APR 30	MAY 5	MAY 13	MAY 19	MAY 30	SEP 25	OCT 4	OCT 8	OCT 12	OCT 16
1975-1979 Average.....	APR 24	APR 29	MAY 7	MAY 18	MAY 24	OCT 3	OCT 8	OCT 12	OCT 17	OCT 22

1/ First cutting.

MINNESOTA 1979 HARVEST PROGRESS

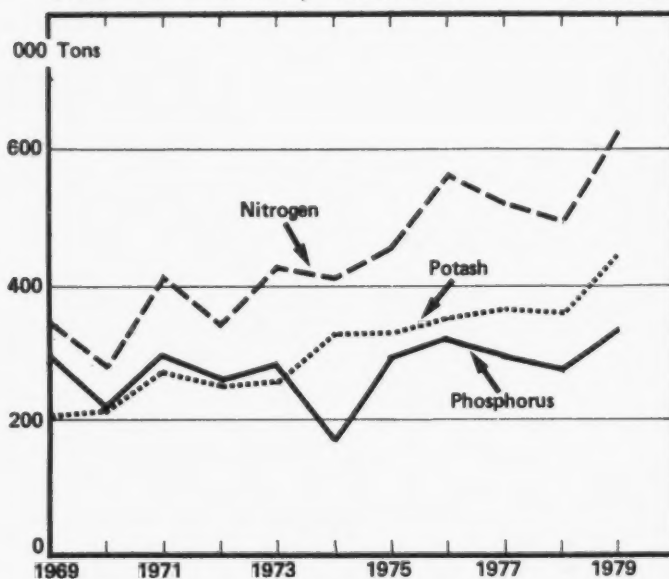


MINNESOTA FERTILIZER USAGE

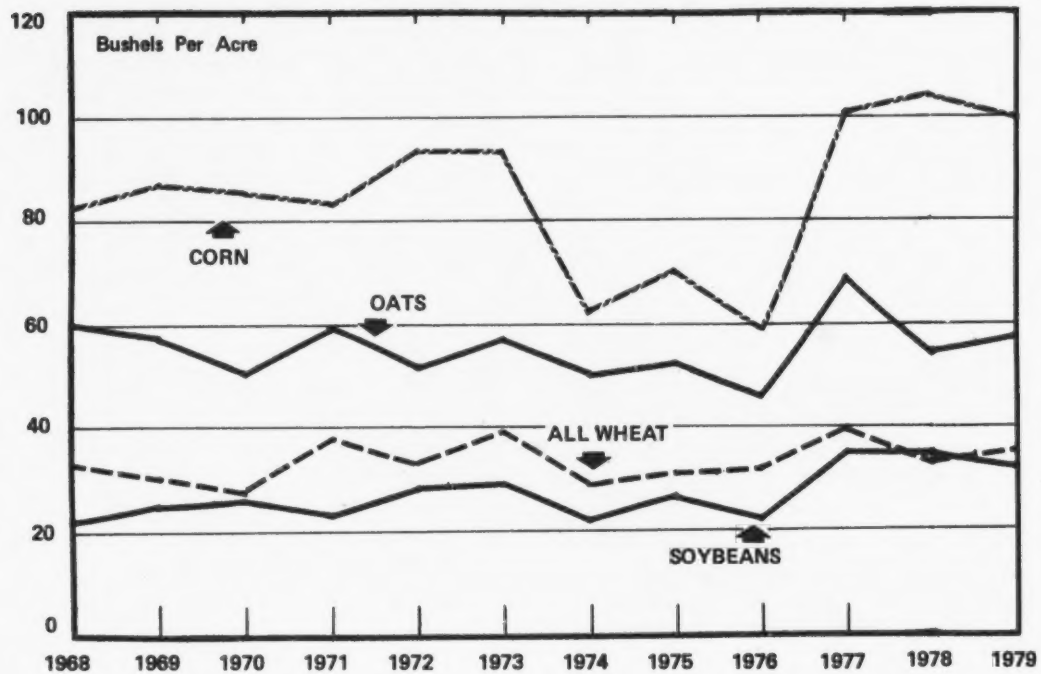
Minnesota consumption of fertilizer totaled 2.4 million tons for the year ending June 30, 1979, up a sharp 22% from the previous year. Minnesota rose from 9th to 6th place in U.S. fertilizer usage. Usage of the primary nutrients is shown in the chart.

Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non-farm use as fertilizer. Materials used in the manufacture of registered mixes or for uses in other fertilizers are not included.

Use of Primary Nutrients as Fertilizer



Minnesota Crop Yields



Crop Production Changes: 1979 as Percent of 1978, Minnesota

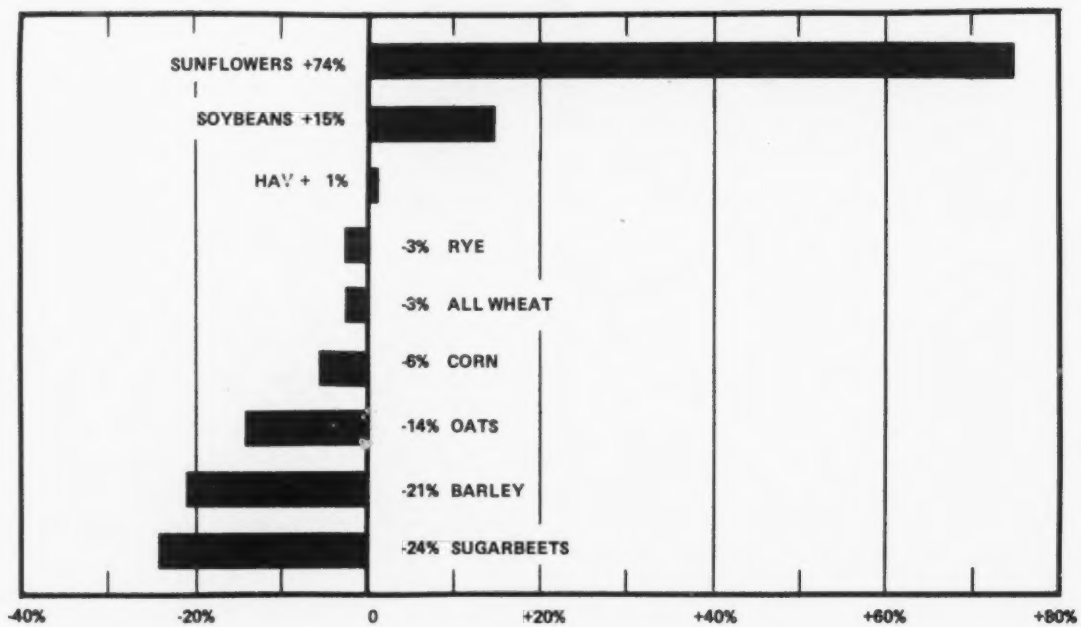


Table 14 - Minnesota Acreage, Yield, Production, Price, and Value

CORN FOR GRAIN						
Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	<u>1,000 acres</u> ^{1/}	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.</u> ^{2/}	<u>1,000 dols.</u>
1975	7,000	5,820	70.0	407,400	2.50	1,018,500
1976	7,200	5,600	59.0	330,400	2.03	670,712
1977	6,900	6,000	100.0	600,000	1.90	1,140,000
1978	7,000	6,190	104.0	643,760	2.08	1,339,021
1979	6,900	6,060	100.0	606,000	2.00	1,212,000
CORN FOR SILAGE						
		<u>1,000 acres</u>	<u>Tons</u>	<u>1,000 tons</u>		
1975	--	1,070	9.3	9,951	--	--
1976	--	1,490	6.9	10,281	--	--
1977	--	830	13.0	10,790	--	--
1978	--	750	12.5	9,375	--	--
1979	--	750	13.5	10,125	--	--
SOYBEANS						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.</u> ^{2/}	<u>1,000 dols.</u>
1975	3,700	3,650	27.0	98,550	5.02	494,721
1976	3,050	3,020	22.0	66,440	7.22	479,697
1977	3,800	3,770	35.5	133,835	5.90	789,627
1978	4,100	4,060	36.0	146,160	6.52	952,963
1979	5,300	5,230	32.0	167,360	5.80	970,688
OATS						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.</u> ^{2/}	<u>1,000 dols.</u>
1975	2,100	2,000	52.0	104,000	1.47	152,880
1976	2,300	2,060	46.0	94,760	1.55	146,878
1977	2,530	2,380	68.0	161,840	1.01	163,458
1978	2,150	1,830	54.0	98,820	1.12	110,678
1979	1,650	1,490	57.0	84,930	1.25	106,163
BARLEY						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.</u> ^{2/}	<u>1,000 dols.</u>
1975	900	805	38.0	30,590	2.71	82,899
1976	880	860	41.0	35,260	2.35	82,861
1977	1,100	1,080	51.0	55,080	1.63	89,780
1978	1,070	1,050	49.5	51,975	1.87	97,193
1979	780	770	53.0	40,810	2.15	87,742
RYE						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.</u> ^{2/}	<u>1,000 dols.</u>
1975	100	89	25.0	2,225	2.40	5,340
1976	116	105	19.5	2,048	2.55	5,222
1977	104	84	29.0	2,436	2.15	5,237
1978	115	98	24.0	2,352	2.03	4,775
1979	100	91	25.0	2,275	2.20	5,005

1/ Acreage planted to corn is for "all purposes."

(continued)

2/ Season Average Prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate, but exclude deficiency payments, if any.

Table 14 -- Minnesota Acreage, Yield, Production, Price, and Value (continued)

ALL WHEAT						
Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.^{1/}</u>	<u>1,000 dols.</u>
1975	3,143	2,867	30.8	88,368	3.99	352,571
1976	4,155	4,056	32.2	130,482	2.74	357,693
1977	3,425	3,327	39.6	131,894	2.47	326,320
1978	2,850	2,776	33.6	93,225	2.96	275,551
1979	2,640	2,578	35.1	90,384	3.71	335,774

SPRING WHEAT (OTHER THAN DURUM)						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.^{1/}</u>	<u>1,000 dols.</u>
1975	2,950	2,700	31.0	83,700	3.97	332,289
1976	3,880	3,800	32.5	123,500	2.75	339,625
1977	3,200	3,140	40.0	125,600	2.47	310,232
1978	2,680	2,620	33.5	87,770	2.96	259,799
1979	2,500	2,450	35.0	85,750	3.70	317,275

DURUM WHEAT						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.^{1/}</u>	<u>1,000 dols.</u>
1975	105	87	32.5	2,828	4.81	13,603
1976	95	93	29.5	2,744	2.60	7,134
1977	85	82	34.5	2,829	2.98	8,430
1978	100	98	38.5	3,773	2.98	11,244
1979	80	77	37.0	2,849	4.30	12,251

WINTER WHEAT						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.^{1/}</u>	<u>1,000 dols.</u>
1975	88	80	23.0	1,840	3.63	6,679
1976	180	163	26.0	4,238	2.58	10,934
1977	140	105	33.0	3,465	2.21	7,658
1978	70	58	29.0	1,682	2.68	4,508
1979	60	51	35.0	1,785	3.50	6,248

FLAXSEED						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dols. per bu.^{1/}</u>	<u>1,000 dols.</u>
1975	280	250	11.5	2,875	6.59	18,946
1976	205	195	10.0	1,950	7.33	14,294
1977	235	220	14.5	3,190	4.56	14,546
1978	145	142	15.5	2,201	5.70	12,546
1979	160	153	14.5	2,219	5.90	13,092

SUGARBEETS						
	<u>Acres</u>	<u>Acres</u>	<u>Tons</u>	<u>Tons</u>	<u>Dols. per ton^{2/}</u>	<u>1,000 dols.</u>
1975	225,000	196,000	14.2	2,783,000	23.60	65,679
1976	256,000	248,000	12.2	3,026,000	18.70	56,586
1977	264,000	260,000	18.2	4,732,000	20.60	97,479
1978	265,000	263,000	18.9	4,971,000	21.80	108,368
1979	249,000	244,000	15.5	3,782,000	NA	NA

^{1/} Season Average Prices include an allowance for loans outstanding and purchases by the government valued at average loan and purchase rate, but exclude deficiency payments, if any.

^{2/} Excludes Sugar Act payments.

Table 14 -- Minnesota Acreage, Yield, Production, Price, and Value (continued)

ALL SUNFLOWERS						
Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Pounds</u>	<u>1,000 lbs.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	245	211	1,129	238,210	10.90	25,860
1976	214	210	1,224	257,100	10.80	27,809
1977	525	518	1,558	807,060	10.10	81,172
1978	710	698	1,536	1,072,020	11.50	123,404
1979	1,430	1,347	1,389	1,870,620	8.83	165,181

OIL SUNFLOWERS						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Pounds</u>	<u>1,000 lbs.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	197	174	1,150	200,100	10.60	21,211
1976	183	180	1,240	223,200	10.50	23,436
1977	455	449	1,590	713,910	10.00	71,391
1978	650	640	1,540	985,600	11.60	114,330
1979	1,340	1,290	1,390	1,793,100	8.65	155,103

NON-OIL SUNFLOWERS						
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Pounds</u>	<u>1,000 lbs.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	48	37	1,030	38,110	12.20	4,649
1976	31	30	1,130	33,900	12.90	4,373
1977	70	69	1,350	93,150	10.50	9,781
1978	60	58	1,490	86,420	10.50	9,074
1979	60	57	1,360	77,520	13.00	10,078

ALL HAY						
		<u>1,000 acres</u>	<u>Tons</u>	<u>1,000 tons</u>	<u>Dols. per ton</u>	<u>1,000 dols.</u>
1975	--	3,210	2.49	8,005	49.50	396,248
1976	--	3,250	1.77	5,765	70.50	406,433
1977	--	3,140	2.59	8,136	47.50	386,460
1978	--	3,060	2.92	8,932	41.00	366,212
1979	--	3,010	3.00	9,030	39.50	356,685

ALFALFA HAY						
		<u>1,000 acres</u>	<u>Tons</u>	<u>1,000 tons</u>		
1975	--	2,200	2.95	6,490	--	--
1976	--	2,190	2.10	4,599	--	--
1977	--	2,200	3.10	6,820	--	--
1978	--	2,140	3.40	7,276	--	--
1979	--	2,150	3.40	7,310	--	--

ALL OTHER HAY						
		<u>1,000 acres</u>	<u>Tons</u>	<u>1,000 tons</u>		
1975	--	1,010	1.50	1,515	--	--
1976	--	1,060	1.10	1,166	--	--
1977	--	940	1.40	1,316	--	--
1978	--	920	1.80	1,656	--	--
1979	--	860	2.00	1,720	--	--

(continued)

Table 14 -- Minnesota Acreage, Yield, Production, Price, and Value (continued)

ALL POTATOES						
Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	78,200	65,100	181	11,796	4.32	50,912
1976	77,100	75,000	174	13,055	3.23	42,209
1977	83,600	79,500	189	15,023	2.77	41,637
1978	80,100	78,000	216	16,870	2.95	49,461
1979	76,400	74,300	198	14,716	2.79	40,883
FALL POTATOES						
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	70,000	57,000	170	9,690	4.20	40,698
1976	69,000	67,000	165	11,055	3.25	35,929
1977	76,000	72,000	180	12,960	2.74	35,510
1978	73,000	71,000	210	14,910	2.71	40,406
1979	70,000	68,000	190	12,920	NA	NA
SUMMER POTATOES						
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	8,200	8,100	260	2,106	4.85	10,214
1976	8,100	8,000	250	2,000	3.14	6,280
1977	7,600	7,500	275	2,063	2.97	6,127
1978	7,100	7,000	280	1,960	4.62	9,055
1979	6,400	6,300	285	1,795	NA	NA
DRY EDIBLE BEANS						
	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>1,000 cwt.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	53,000	48,000	800	384	18.70	7,181
1976	45,000	42,000	867	364	13.20	4,805
1977	33,000	30,000	1,320	396	16.10	6,376
1978	44,000	42,000	1,410	592	13.70	8,110
1979	38,000	36,000	1,560	562	20.70	11,633
RED CLOVER SEED						
		<u>Acres</u>	<u>Pounds 1/</u>	<u>1,000 lbs. 1/</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	--	27,000	105	2,835	45.50	1,290
1976	--	29,000	105	3,045	62.50	1,903
1977	--	12,000	100	1,200	69.50	834
1978	--	38,000	110	4,180	58.00	2,424
1979	--	30,000	95	2,850	55.00	1,568
TIMOTHY SEED						
		<u>Acres</u>	<u>Pounds 1/</u>	<u>1,000 lbs. 1/</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	--	34,000	220	7,480	17.50	1,309
1976	--	34,000	200	6,800	30.50	2,074
1977	--	35,000	225	7,875	53.00	4,174
1978	--	49,000	235	11,515	47.00	5,412
1979	--	53,000	255	13,515	34.00	4,595

1/ Clean seed.

Table 14 - Minnesota Acreage, Yield, Production, Price, and Value (continued)

SWEET CORN FOR PROCESSING						
Crop year	Acreage planted	Acreage harvested	Yield per harvested acre	Production	Season average price	Farm value of production
	<u>Acres</u>	<u>Acres</u>	<u>Tons ^{1/}</u>	<u>Tons ^{1/}</u>	<u>Dols. per ton</u>	<u>1,000 dols.</u>
1975	122,800	120,800	4.18	504,500	46.70	23,560
1976	124,600	116,500	4.32	503,200	43.80	22,040
1977	124,200	120,000	5.40	648,000	46.00	29,808
1978	124,200	111,500	5.75	641,100	45.40	29,106
1979	110,000	98,300	5.72	562,280	46.70	26,258

GREEN PEAS FOR PROCESSING						
	<u>Acres</u>	<u>Acres</u>	<u>Tons ^{2/}</u>	<u>Tons ^{2/}</u>	<u>Dols. per ton</u>	<u>1,000 dols.</u>
1975	75,900	70,800	1.12	79,600	234.00	18,626
1976	74,100	72,300	1.13	82,000	191.00	15,662
1977	68,500	65,600	1.53	100,400	201.00	20,180
1978	77,700	67,900	1.22	82,850	218.00	18,061
1979	81,600	73,000	1.53	111,690	220.00	24,572

ONIONS						
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt. ^{3/}</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	950	750	220	165	7.73	1,013
1976	900	800	215	172	10.80	1,620
1977	1,000	840	260	218	6.35	1,270
1978	1,000	970	230	223	5.90	1,080
1979	1,000	480	260	125	3.83	380

CARROTS FOR FRESH MARKET AND PROCESSING						
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	<u>1,000 cwt.</u>	<u>Dols. per cwt.</u>	<u>1,000 dols.</u>
1975	1,150	1,140	280	319	4.02	1,282
1976	1,200	1,000	450	450	2.82	1,267
1977	1,200	1,100	485	534	3.57	1,909
1978	1,500	1,300	425	553	3.61	1,998
1979	2,000	1,600	380	608	4.86	2,957

COMMERCIAL APPLES						
Crop year	Acreage planted	Acreage harvested	Total production	Utilized production	Season average price	Farm value of utilized production
			<u>Mil. lbs.</u>	<u>Mil. lbs.</u>	<u>Cents per lb.</u>	<u>1,000 dols.</u>
1975	--	--	18.5	18.5	12.9	2,387
1976	--	--	23.5	23.5	11.8	2,773
1977	--	--	19.9	19.9	16.4	3,264
1978	--	--	28.0	28.0	15.1	4,228
1979	--	--	12.9	12.9	18.4	2,374

1/ In husk.

2/ Shelled.

3/ Includes some quantities not marketed and excluded in computing value.

Table 15 -- Minnesota Crop Marketings: Percent by Months

CORN MARKETINGS												
Crop marketing year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1975-76	13	11	8	8	7	7	7	9	9	7	7	7
1976-77	11	11	8	9	6	6	7	7	9	9	8	9
1977-78	17	11	7	5	5	6	7	8	12	8	8	6
1978-79	12	8	5	5	4	5	7	8	14	15	10	7
SOYBEAN MARKETINGS												
Crop marketing year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
1975-76	7	18	4	6	7	8	9	8	10	10	7	6
1976-77	9	16	4	9	10	14	10	14	7	3	2	2
1977-78	4	15	5	5	5	9	11	9	10	9	9	9
1978-79	10	23	4	6	8	5	5	5	7	15	8	4
ALL WHEAT MARKETINGS												
Crop marketing year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1975-76	7	22	17	8	5	6	7	8	6	5	4	5
1976-77	13	19	7	4	4	5	6	9	9	6	7	11
1977-78	15	16	6	5	6	5	5	7	7	6	9	13
1978-79	11	16	11	6	7	6	5	6	4	6	8	14
OAT MARKETINGS												
1975-76	10	21	8	4	4	5	6	6	8	7	10	11
1976-77	25	18	5	3	3	4	5	6	8	7	8	8
1977-78	23	14	5	4	4	3	4	5	8	7	10	13
1978-79	15	21	5	6	5	6	5	8	7	7	6	9
BARLEY MARKETINGS												
1975-76	7	15	10	10	9	11	6	7	7	6	6	6
1976-77	14	14	7	7	5	5	3	7	9	5	13	11
1977-78	30	10	3	5	6	9	2	6	8	6	7	8
1978-79	8	12	6	4	7	12	6	6	6	8	11	14
FLAX MARKETINGS												
1975-76	4	20	28	15	7	6	5	5	2	2	3	3
1976-77	6	22	33	8	2	3	2	2	5	2	13	2
1977-78	1	5	18	8	1	6	9	9	12	7	11	13
1978-79	6	5	23	22	10	2	5	6	7	8	4	2
ALL HAY MARKETINGS												
Crop marketing year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
1975-76	17	14	8	5	4	5	5	7	7	11	9	8
1976-77	16	10	8	7	6	6	7	8	8	10	8	6
1977-78	17	9	5	5	2	4	3	16	5	12	12	10
1978-79	15	9	6	4	3	3	4	12	10	12	14	8

Table 16 -- Minnesota Grain and Hay Stocks

CORN STOCKS								
Year	On farms				All storage positions			
	Jan. 1	April 1	June 1	Oct. 1	Jan. 1	April 1	June 1	Oct. 1
	----- 1,000 bushels -----				----- 1,000 bushels -----			
1976	281,106	175,182	122,220	26,481	356,532	237,146	165,531	42,830
1977	224,672	145,376	112,336	29,736	304,034	215,014	160,424	63,128
1978	438,000	318,000	246,000	120,000	556,762	427,200	325,152	161,614
1979	560,071	457,070	366,943	173,815	684,201	571,139	456,579	246,723
1980	545,400	406,020			678,734	526,120		
ALL WHEAT STOCKS								
1976	40,649	22,976	14,139	70,460	65,908	46,253	27,682	119,743
1977	61,327	52,193	44,364	125,299	103,827	95,019	74,777	178,280
1978	104,196	83,093	72,542	110,006	146,184	128,509	106,603	149,876
1979	93,225	72,716	68,987	106,653	119,585	104,482	88,612	143,883
1980	79,538	59,653			106,379	92,953		
SOYBEAN STOCKS								
1976	61,101	44,348	28,580	11,826 1/	102,546	78,707	51,976	26,997 1/
1977	39,864	21,261	11,295	3,322 1/	73,994	52,274	32,641	9,232 1/
1978	66,918	45,504	30,782	10,707 1/	107,398	83,628	57,526	19,217 1/
1979	73,080	51,156	38,002	11,693 1/	111,370	84,418	60,419	22,145 1/
1980	92,048	68,618			139,641	107,398		
OAT STOCKS								
1976	70,720	44,720	29,120	73,913	84,288	55,302	35,521	92,656
1977	60,646	39,799	24,638	116,525	71,885	48,611	32,010	142,399
1978	108,433	82,538	63,118	102,773	127,623	98,227	79,182	129,750
1979	92,891	68,186	50,398	90,815	114,866	89,137	68,836	115,003
1980	75,588	56,903			94,860	73,163		
BARLEY STOCKS								
1976	19,578	14,377	7,342	28,208	40,056	32,913	23,466	54,511
1977	20,098	15,162	8,462	39,658	44,635	38,847	26,886	60,544
1978	33,048	26,989	20,380	54,574	50,258	44,337	35,191	70,264
1979	46,778	34,823	31,705	48,972	62,608	51,714	45,812	76,892
1980	44,075	32,240			72,071	57,480		
RYE STOCKS								
1976	334	200	111	614	1,723	1,550	1,176	3,988
1977	410	184	123	804	2,727	2,355	1,494	2,888
1978	365	292	122	1,200	1,742	1,286	810	3,911
1979	964	823	706	2,093	3,078	2,368	1,571	5,338
1980	1,001	3,521			3,978	865		
FLAX STOCKS								
1976	546	345	115	215	3,065	2,339	1,950	3,470
1977	176	127	59	1,914	3,516	2,444	1,558	3,640
1978	1,212	734	255	1,453	3,887	2,971	1,875	3,012
1979	792	484	198	1,575	3,172	2,669	1,209	2,951
1980	999	843			3,703	3,009		
HAY STOCKS								
	Jan. 1	May 1		OFF-FARM HAY STOCKS				
	----- 1,000 tons -----							
1976	4,803	1,521						
1977	3,228	922						
1978	5,451	1,627						
1979	6,163	1,965						
1980	6,863	1,896						
NOT ESTIMATED								

1/ September 1 stocks.

Table 17 - CORN: Minnesota Acreage, Yield, and Production, by County

District and county	Acreage planted for all purposes		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)	Acres		Acres		Busheis		Busheis	
Becker	22,000	22,500	12,600	11,000	77.5	69.0	976,500	759,000
Clay	20,000	21,500	12,500	15,000	77.0	72.0	962,500	1,080,000
Clearwater	5,000	7,000	2,000	3,000	92.0	65.0	184,000	195,000
Kittson	1,800	2,000	300	400	61.0	71.0	18,300	28,400
Mahnomen	8,000	9,500	2,900	4,000	80.0	68.0	232,000	272,000
Marshall	3,900	5,000	1,000	1,500	60.0	69.0	60,000	103,500
Norman	16,500	16,000	7,100	5,700	72.0	68.0	511,200	387,600
Pennington	3,600	3,000	1,200	900	64.0	55.0	76,800	49,500
Polk	29,000	27,000	20,200	19,500	84.0	69.0	1,697,000	1,345,500
Red Lake	12,000	12,500	6,500	7,500	93.0	69.0	604,500	517,500
Roseau	1,600	3,000	400	500	58.0	67.0	23,200	33,500
Total	123,400	129,000	66,700	69,000	80.1	69.2	5,346,000	4,771,500
North Cent. Dist. (2)								
Beltrami	6,000	5,500	1,700	1,000	73.0	68.0	124,100	68,000
Cass	8,500	9,000	4,600	5,000	54.0	59.0	248,400	295,000
Hubbard	8,200	8,500	4,500	5,000	50.0	70.0	225,200	350,000
Itasca	900	1,000	100	100	59.0	59.0	5,900	5,900
Koochiching	1,400	1,000	300	100	70.0	60.0	21,000	6,000
Lake of the Woods	400	700	100	--	58.0	--	5,800	--
Total	25,400	25,700	11,300	11,200	55.8	64.7	630,400	724,900
Northeast Dist. (3)								
Cook	--	--	--	--	--	--	--	--
Lake	--	--	--	--	--	--	--	--
St. Louis	400	700	--	--	--	--	--	--
Total	400	700	--	--	--	--	--	--
West Cent. Dist. (4)								
Big Stone	62,000	57,000	55,500	51,000	85.1	85.0	4,723,000	4,335,000
Chippewa	108,500	118,000	102,500	112,000	93.3	94.0	9,568,000	10,528,000
Douglas	59,500	63,000	42,000	42,500	65.0	69.0	2,730,000	2,932,500
Grant	39,100	31,000	30,900	24,500	82.3	82.0	2,544,000	2,009,000
Lac Qui Parle	133,500	137,000	124,000	129,000	80.2	93.0	9,948,000	11,997,000
Otter Tail	147,000	143,000	105,400	100,000	68.1	68.0	7,182,000	6,800,000
Pope	90,000	97,000	70,500	80,500	85.0	76.0	5,992,000	6,118,000
Stevens	89,000	90,000	78,200	79,000	99.0	87.0	7,742,000	6,873,000
Swift	142,000	141,000	132,800	130,500	94.5	86.0	12,553,000	11,223,000
Traverse	29,500	30,500	24,300	25,500	65.0	67.0	1,580,000	1,708,500
Wilkin	18,000	15,000	15,200	12,500	73.0	68.0	1,110,000	850,000
Yellow Medicine	169,000	171,000	154,000	156,500	87.4	93.0	13,459,000	14,554,500
Total	1,087,100	1,093,500	935,300	943,500	84.6	84.7	79,131,000	79,928,500
Central Dist. (5)								
Benton	59,900	64,500	42,900	48,000	81.4	78.0	3,490,000	3,744,000
Carver	70,900	67,000	58,400	55,500	115.8	107.0	6,763,000	5,938,500
Kandiyohi	157,000	157,000	144,200	143,000	100.0	94.0	14,420,000	13,442,000
McLeod	100,500	93,000	89,500	83,000	112.3	108.0	10,055,000	8,964,000
Meeker	122,700	118,000	111,700	107,000	100.6	95.0	11,233,000	9,951,000
Morrison	92,900	92,000	63,000	59,500	75.0	70.0	4,728,000	4,165,000
Renville	187,000	187,000	178,700	176,500	110.6	100.0	19,767,000	17,650,000
Scott	56,300	53,500	49,400	46,500	119.7	107.0	5,914,000	4,975,500
Sherburne	39,700	41,000	31,400	34,000	91.2	91.0	2,865,000	3,094,000
Sibley	126,000	117,000	118,100	107,500	126.0	111.0	14,881,000	11,932,500
Stearns	219,000	224,000	155,200	157,000	86.0	79.0	13,347,000	12,403,000
Todd	104,400	103,000	67,600	64,000	78.0	69.0	5,273,000	4,416,000
Wadena	32,600	30,000	23,900	22,000	61.0	70.0	1,458,000	1,540,000
Wright	104,000	97,000	92,100	84,500	94.0	93.0	8,657,000	7,858,500
Total	1,472,900	1,444,000	1,226,100	1,188,000	100.2	92.7	122,851,000	110,074,000

Table 17 - CORN: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage planted for all purposes		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
East Cent. Dist. (6)								
Attkin	3,200	4,000	1,400	1,500	73.0	60.0	102,200	90,000
Anoka	20,400	17,500	17,800	15,200	81.9	82.0	1,457,000	1,246,400
Carlton	2,000	1,500	600	200	72.3	60.0	43,400	12,000
Chisago	50,200	46,000	44,100	39,000	77.4	82.0	3,415,000	3,198,000
Crow Wing	15,800	13,000	10,900	7,500	60.0	62.0	654,000	465,000
Hennepin	34,000	33,000	28,500	28,000	100.9	95.0	2,875,000	2,660,000
Isanti	55,700	55,000	49,100	49,500	86.8	86.0	4,263,000	4,257,000
Kanabec	25,500	27,500	17,900	19,500	74.4	70.0	1,332,000	1,365,000
Mille Lacs	36,200	33,000	26,300	23,500	86.0	79.0	2,262,000	1,856,500
Pine	27,100	29,000	17,700	18,500	68.0	78.0	1,204,000	1,443,000
Ramsey	600	600	300	400	90.0	78.0	27,000	31,200
Washington	38,200	34,000	35,000	30,500	96.9	97.0	3,390,000	2,958,500
Total	308,900	294,100	249,600	233,300	84.2	83.9	21,024,600	19,582,600
Southwest Dist. (7)								
Cottonwood	160,500	162,000	144,100	143,500	109.2	103.0	15,736,000	14,780,500
Jackson	185,800	179,000	179,300	173,000	114.1	110.0	20,458,000	19,030,000
Lincoln	107,500	109,000	95,900	97,000	82.0	80.0	7,864,000	7,760,000
Lyon	173,000	178,000	152,600	158,000	88.0	84.0	13,429,000	13,272,000
Murray	169,500	166,000	151,600	143,000	96.5	93.0	14,629,000	13,299,000
Nobles	180,500	180,000	168,600	169,000	103.1	100.0	17,383,000	16,900,000
Pipestone	114,500	113,000	100,100	94,500	79.5	82.0	7,958,000	7,749,000
Redwood	200,000	193,000	189,400	180,000	107.9	94.0	20,436,000	16,920,000
Rock	130,500	135,000	116,500	118,500	108.5	107.0	12,640,000	12,679,500
Total	1,421,800	1,415,000	1,298,100	1,276,500	100.6	95.9	130,533,000	122,390,000
South Cent. Dist. (8)								
Blue Earth	182,500	172,000	178,900	169,000	120.0	117.0	21,468,000	19,773,000
Brown	132,100	130,000	123,500	119,000	107.2	107.0	13,241,000	12,733,000
Faribault	173,300	180,000	168,000	173,500	120.4	120.0	20,233,000	20,820,000
Freeborn	185,000	182,000	178,100	175,500	117.0	119.0	20,838,000	20,884,500
LeSueur	91,000	83,000	85,500	77,500	113.0	116.0	9,662,000	8,990,000
Martin	192,300	191,000	181,100	177,500	127.0	114.0	23,000,000	20,235,000
Nicollet	100,000	99,000	94,400	93,500	114.7	112.0	10,827,000	10,472,000
Rice	123,200	116,000	113,100	106,500	115.3	116.0	13,043,000	12,354,000
Steele	106,200	108,000	102,100	104,000	117.8	115.0	12,029,000	11,960,000
Waseca	119,000	117,000	114,700	113,000	127.9	124.0	14,674,000	14,012,000
Watsonwan	113,700	111,000	108,100	105,500	117.4	113.0	12,695,000	11,921,500
Total	1,518,300	1,489,000	1,447,500	1,414,500	118.6	116.1	171,710,000	164,155,000
Southeast Dist. (9)								
Dakota	101,000	99,000	91,700	91,000	112.5	117.0	10,316,000	10,647,000
Dodge	105,600	102,000	101,100	98,000	121.2	113.0	12,253,000	11,074,000
Fillmore	168,800	165,000	157,700	150,500	121.6	112.0	19,176,000	16,856,000
Goodhue	136,200	130,000	124,200	116,500	115.8	108.0	14,382,000	12,582,000
Houston	67,600	66,000	56,200	56,500	115.0	126.0	6,463,000	7,119,000
Mower	168,300	163,000	163,900	158,000	117.0	114.0	19,176,000	18,012,000
Olmsted	126,100	125,000	113,900	113,000	116.5	108.0	13,270,000	12,204,000
Wabasha	81,100	79,000	70,200	69,500	115.0	111.0	8,073,000	7,714,500
Winona	87,100	80,000	76,500	71,000	123.2	115.0	9,425,000	8,165,000
Total	1,041,800	1,009,000	955,400	924,000	117.8	113.0	112,534,000	104,373,500
STATE TOTAL	7,000,000	6,900,000	6,190,000	6,060,000	104.0	100.0	643,760,000	606,000,000

Table 18 -- CORN FOR SILAGE: Minnesota Acreage, Yield, and Production, by County

District and county	Acreage harvested for silage		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979
	<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
Northwest Dist. (1)						
Becker	8,800	11,200	9.6	9.6	84,600	107,500
Clay	6,900	6,200	14.3	12.7	98,700	78,700
Clearwater	2,500	3,700	11.0	10.5	27,500	38,900
Kittson	1,300	1,400	9.0	9.7	11,700	13,600
Mahnomen	4,700	5,400	10.3	10.3	48,600	55,600
Marshall	2,700	3,300	10.0	10.5	27,000	34,700
Norman	8,400	9,800	10.3	10.5	86,500	102,900
Pennington	2,200	1,800	11.0	10.5	24,200	18,900
Polk	7,600	6,800	10.1	11.5	76,800	78,200
Red Lake	5,100	4,800	10.5	11.5	53,500	55,200
Roseau	800	2,400	11.0	10.5	8,800	25,200
Total	51,000	56,800	10.7	10.7	547,900	609,400
North Cent. Dist. (2)						
Beltrami	4,000	4,100	9.4	10.0	37,600	41,000
Cass	3,300	3,500	10.6	9.5	35,000	33,300
Hubbard	3,400	3,200	8.2	10.3	27,800	33,000
Itasca	700	600	9.4	10.3	6,600	6,200
Koochiching	1,000	800	10.0	9.5	10,000	7,600
Lake of the Woods	200	600	10.0	9.5	2,000	5,700
Total	12,600	12,800	9.4	9.9	119,000	126,800
Northeast Dist. (3)						
Cook	--	--	--	--	--	--
Lake	--	--	--	--	--	--
St. Louis	200	500	8.5	9.0	1,700	4,500
Total	200	500	8.5	9.0	1,700	4,500
West Cent. Dist. (4)						
Big Stone	5,500	5,000	10.5	12.0	57,800	60,000
Chippewa	5,100	4,600	14.0	15.0	71,400	69,000
Douglas	16,800	18,700	10.2	12.5	171,500	233,800
Grant	7,000	5,400	11.8	14.0	82,700	75,600
Lac Qui Parle	8,800	6,700	11.0	13.0	96,400	87,100
Otter Tail	39,600	41,000	9.4	9.8	371,800	401,800
Pope	18,600	15,000	12.0	13.0	223,200	195,000
Stevens	9,800	10,200	11.3	14.5	110,900	147,900
Swift	7,800	5,600	13.0	13.5	101,400	89,100
Traverse	4,200	4,700	10.0	13.5	42,000	63,500
Wilkin	2,500	2,300	12.5	12.0	31,300	27,600
Yellow Medicine	13,900	12,200	13.1	14.0	181,600	170,800
Total	139,600	132,400	11.0	12.2	1,542,000	1,621,200
Central Dist. (5)						
Benton	16,300	15,800	9.8	10.6	160,400	167,500
Carver	11,800	10,800	15.1	16.4	178,300	177,100
Kandiyohi	11,500	12,000	13.0	14.8	149,800	177,600
McLeod	10,200	9,100	17.0	17.6	173,400	160,200
Meeker	10,200	9,800	13.1	15.9	134,100	155,800
Morrison	29,100	30,700	11.5	10.0	334,700	307,000
Renville	7,100	6,800	16.0	17.0	113,500	115,600
Scott	6,300	6,000	13.0	13.5	81,900	81,000
Sherburne	7,700	5,800	10.5	11.0	80,900	63,800
Sibley	7,200	8,300	17.0	16.5	122,400	137,000
Stearns	61,700	64,600	10.8	12.5	669,100	807,500
Todd	35,800	37,600	9.4	10.0	335,800	376,000
Wadena	7,900	7,300	8.0	11.0	63,200	80,300
Wright	10,500	11,200	11.0	14.5	115,500	162,400
Total	233,300	235,800	11.6	12.6	2,713,000	2,968,000

Table 18 -- CORN FOR SILAGE: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage harvested for silage		Yield per Harvested acre		Production	
	1978	1979	1978	1979	1978	1979
East Cent. Dist. (6)	Acres		Tons		Tons	
Attkin	1,600	2,000	8.9	8.5	14,300	17,000
Anoka	2,100	1,800	10.3	10.5	21,700	18,900
Carlton	1,000	1,100	8.4	10.5	8,400	11,600
Chisago	5,300	6,400	11.3	11.4	59,800	73,000
Crow Wing	4,600	4,800	9.9	10.0	45,500	48,000
Hennepin	5,200	4,800	10.5	12.4	54,700	59,500
Isanti	5,300	4,400	11.0	11.5	58,300	50,600
Kanabec	6,700	7,300	9.7	10.4	64,900	75,900
Mille Lacs	9,300	8,900	11.1	11.0	103,600	97,900
Pine	8,700	10,000	9.6	11.4	83,500	114,000
Ramsey	200	100	10.5	11.0	2,100	1,100
Washington	2,700	2,900	11.8	13.5	31,800	39,200
Total	52,700	54,500	10.4	11.1	548,600	606,700
Southwest Dist. (7)						
Cottonwood	15,800	17,400	15.6	18.4	247,100	320,200
Jackson	6,100	5,100	16.0	19.0	97,600	96,900
Lincoln	10,900	11,000	10.5	11.5	114,500	126,500
Lyon	19,800	15,900	12.0	13.0	237,600	206,700
Murray	17,400	18,800	14.0	13.0	243,600	244,400
Nobles	11,000	10,000	14.0	14.0	153,900	140,000
Pipestone	13,800	15,100	11.3	11.9	155,900	179,700
Redwood	9,600	10,600	16.3	14.5	156,500	152,300
Rock	13,500	15,700	13.0	15.0	175,500	235,500
Total	117,900	119,500	13.4	14.2	1,582,200	1,702,200
South Cent. Dist. (8)						
Blue Earth	2,800	2,100	18.5	19.0	51,800	39,900
Brown	8,000	7,300	15.5	16.0	123,700	116,800
Faribault	4,000	4,300	15.8	17.5	63,400	75,300
Freeborn	5,600	5,300	14.1	16.6	78,800	88,000
LeSueur	4,800	4,800	15.2	15.5	73,200	74,400
Martin	10,000	10,300	16.5	17.5	164,800	180,300
Nicollet	5,000	4,800	16.6	18.0	83,000	86,400
Rice	9,500	8,900	16.4	16.5	155,500	146,900
Steele	3,600	3,400	17.7	17.5	63,700	59,500
Waseca	3,700	3,300	17.2	18.5	63,700	61,100
Watonwan	5,000	4,500	17.0	18.0	85,000	81,000
Total	62,000	59,000	16.2	17.1	1,006,600	1,009,600
Southeast Dist. (9)						
Dakota	9,000	7,500	12.8	16.6	115,300	124,500
Dodge	4,100	3,500	17.6	18.0	72,200	63,000
Fillmore	10,300	13,600	18.4	20.2	189,500	274,700
Goodhue	11,500	12,900	16.0	16.8	184,100	216,700
Houston	10,700	9,100	17.4	21.1	186,200	192,000
Mower	3,800	4,000	13.4	16.0	51,000	64,000
Olmsted	10,800	11,300	15.4	20.0	166,400	226,000
Wabasha	10,500	8,600	17.1	18.5	179,600	159,100
Winona	10,000	8,200	17.0	19.0	169,700	155,800
Total	80,700	78,700	16.3	18.8	1,314,000	1,475,800
STATE TOTAL	750,000	750,000	12.5	13.5	9,375,000	10,125,000

Table 19 - SOYBEANS: Minnesota Acreage, Yield, and Production, by County

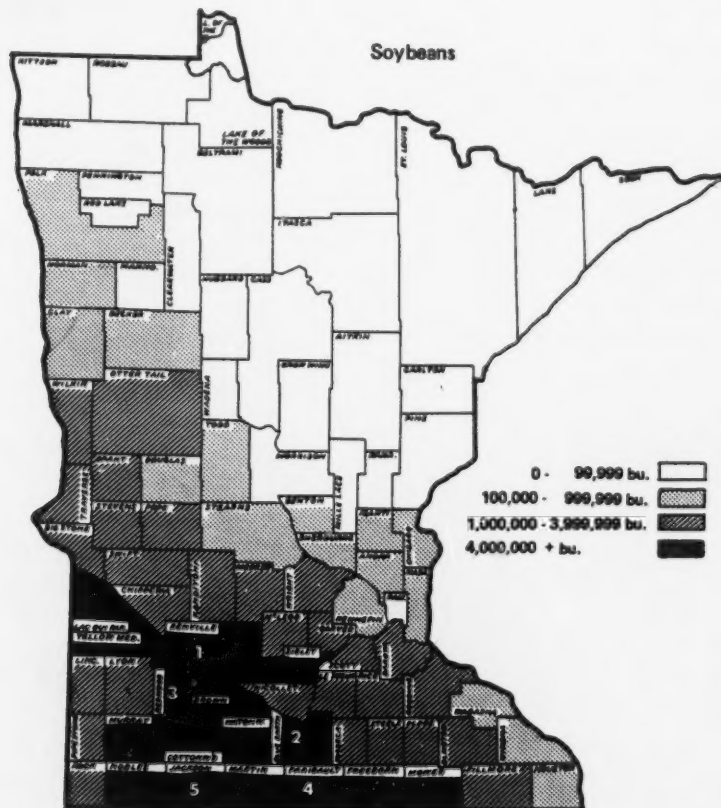
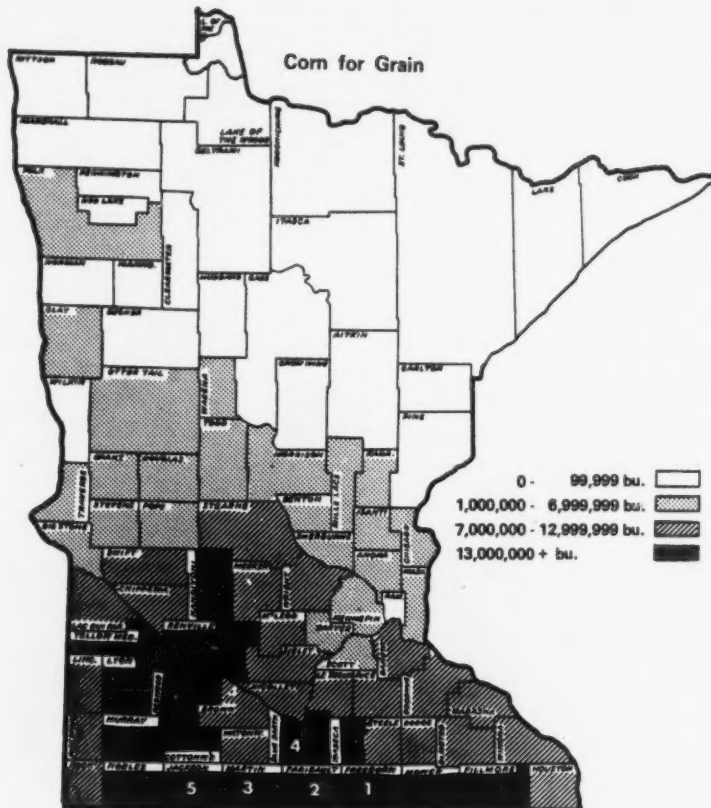
District and county	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)								
Becker	3,200	4,000	3,100	3,800	32.9	28.5	102,000	108,700
Clay	17,000	20,500	16,900	20,400	32.6	27.5	551,700	561,000
Clearwater	--	100	--	100	--	28.0	--	2,800
Kittson	100	400	100	400	29.0	26.0	2,900	10,400
Mahnomen	400	300	400	300	32.8	28.0	13,100	8,400
Marshall	600	2,500	600	2,500	28.8	25.0	17,300	62,500
Norman	4,100	4,500	4,000	4,500	30.6	29.0	122,300	130,500
Pennington	100	--	100	--	28.0	--	2,800	--
Polk	4,800	8,000	4,700	8,000	34.1	29.0	160,200	232,000
Red Lake	100	--	100	--	34.0	--	3,400	--
Roseau	100	100	100	100	27.0	26.0	2,700	2,600
Total	30,500	40,400	30,100	40,100	32.5	27.7	978,400	1,110,700
North Cent. Dist. (2)								
Beltrami	--	100	--	100	--	20.0	--	2,000
Cass	300	200	300	200	25.0	25.0	7,500	5,000
Hubbard	--	200	--	200	--	25.0	--	5,000
Itasca	--	300	--	200	--	24.0	--	4,800
Koochiching	--	--	--	--	--	--	--	--
Lake of the Woods	--	100	--	100	--	26.0	--	2,600
Total	300	900	300	800	25.0	24.3	7,500	19,400
Northeast Dist. (3)								
Cook	--	--	--	--	--	--	--	--
Lake	--	--	--	--	--	--	--	--
St. Louis	100	--	100	--	25.0	--	2,500	--
Total	100	--	100	--	25.0	--	2,500	--
West Cent. Dist. (4)								
Big Stone	21,000	52,000	20,600	51,500	24.8	27.5	511,000	1,416,300
Chippewa	101,000	128,000	100,600	126,000	31.3	31.0	3,148,000	3,906,000
Douglas	15,000	24,000	14,500	23,200	21.7	26.0	314,000	603,200
Grant	38,500	56,000	38,200	55,500	25.4	27.5	970,000	1,526,300
Lac Qui Parle	120,000	160,000	119,600	159,000	29.7	31.5	3,558,000	5,008,500
Otter Tail	11,500	52,000	11,400	51,500	23.9	25.0	272,000	1,287,500
Pope	31,000	44,000	30,800	43,600	25.7	26.0	792,200	1,133,600
Stevens	40,500	60,000	40,300	59,400	28.9	28.5	1,165,000	1,695,800
Swift	82,000	126,000	81,600	122,900	30.9	28.0	2,522,000	3,441,200
Traverse	28,000	51,000	27,800	50,300	24.1	28.5	669,500	1,433,600
Wilkin	40,500	47,000	40,300	46,500	24.0	25.0	968,000	1,162,500
Yellow Medicine	130,000	179,000	129,600	176,100	33.3	32.0	4,320,000	5,635,200
Total	659,000	979,000	655,300	965,500	29.3	29.3	19,209,700	28,249,700
Central Dist. (5)								
Benton	3,100	5,500	3,000	5,400	30.1	28.0	90,400	151,200
Carver	17,300	31,000	17,100	30,700	36.1	37.0	617,000	1,135,900
Kandiyohi	81,500	118,000	81,000	117,500	35.5	30.5	2,872,800	3,583,800
McLeod	67,500	106,000	66,000	105,400	39.1	37.0	2,581,000	3,899,800
Meeker	68,200	90,000	67,900	89,300	34.3	31.0	2,330,000	2,768,300
Morrison	1,700	2,500	1,600	2,400	18.5	20.0	29,600	48,000
Renville	219,000	285,000	217,800	283,600	36.6	30.0	7,973,500	8,508,000
Scott	32,900	40,000	32,000	39,500	33.3	34.0	1,067,000	1,343,000
Sherburne	9,500	15,000	9,400	14,500	19.6	27.0	184,000	391,500
Sibley	109,000	134,000	107,500	132,500	39.2	35.0	4,218,000	4,637,500
Stearns	16,200	23,000	16,000	22,800	22.3	28.0	356,500	638,000
Todd	5,500	8,500	5,400	8,400	24.2	28.0	130,500	235,200
Wadena	500	2,500	500	2,200	22.8	26.0	11,400	57,200
Wright	38,000	51,000	37,700	50,800	30.0	35.0	1,130,000	1,778,000
Total	669,900	912,000	662,900	905,800	35.6	32.1	23,591,700	29,175,400

Table 19 -- SOYBEANS: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage planted		Acreage harvested		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
East Cent. Dist. (6)								
	<u>Acres</u>		<u>Acres</u>		<u>Bushels</u>		<u>Bushels</u>	
Aitkin	100	500	100	500	24.0	21.0	2,400	10,500
Anoka	3,700	5,800	3,600	5,300	24.7	26.5	88,900	140,500
Carlton	100	--	100	--	23.0	--	2,300	--
Chisago	9,000	20,000	8,900	19,700	21.5	25.0	191,000	492,500
Crow Wing	700	1,200	700	1,200	17.4	21.0	12,200	25,200
Hennepin	7,500	12,500	7,400	12,400	30.7	35.0	227,500	434,000
Isanti	7,900	13,500	7,700	12,900	26.6	27.5	205,000	354,800
Kanabec	700	1,400	700	1,200	30.9	28.5	21,600	34,200
Mille Lacs	2,700	3,500	2,700	3,300	31.9	30.0	86,100	99,000
Pine	800	3,000	800	2,800	25.9	25.0	20,700	70,000
Ramsey	100	100	100	100	25.0	26.0	2,500	2,600
Washington	13,200	18,000	13,100	17,800	34.2	35.5	447,500	631,900
Total	46,500	78,700	45,900	77,200	28.5	29.7	1,307,700	2,295,200
Southwest Dist. (7)								
Cottonwood	155,000	184,000	154,300	182,200	39.9	31.0	6,162,000	5,648,200
Jackson	175,000	198,000	174,000	195,500	38.8	34.0	6,751,500	6,647,000
Lincoln	23,500	42,000	23,300	41,500	27.8	30.0	648,000	1,245,000
Lyon	94,000	147,000	93,500	143,200	34.1	27.5	3,193,000	3,938,000
Murray	120,000	153,000	119,400	144,200	39.1	32.5	4,666,500	4,686,500
Nobles	150,000	183,000	148,800	182,500	38.2	33.0	5,681,000	6,022,500
Pipestone	25,000	47,000	24,400	46,500	32.5	31.0	793,400	1,441,500
Redwood	211,000	274,000	209,100	260,300	39.9	27.5	8,336,000	7,158,300
Rock	66,500	85,000	66,200	84,600	38.2	35.0	2,529,000	2,961,000
Total	1,020,000	1,313,000	1,013,000	1,280,500	38.3	31.0	38,760,400	39,748,000
South Cent. Dist. (8)								
Blue Earth	177,000	205,000	174,800	203,800	39.8	37.0	6,954,000	7,540,600
Brown	123,500	147,000	122,100	145,200	39.4	32.0	4,809,000	4,646,400
Faribault	198,000	210,000	192,600	208,800	35.7	33.0	6,877,000	6,890,400
Freeborn	143,500	175,000	141,900	174,500	36.6	36.0	5,199,000	6,282,000
LeSueur	67,500	80,500	67,000	80,200	39.5	37.5	2,649,000	3,007,500
Martin	181,000	210,000	179,300	206,900	43.6	31.5	7,823,000	6,517,400
Nicollet	92,000	112,000	91,300	110,800	39.0	36.0	3,562,000	3,988,800
Rice	42,500	62,000	42,200	61,600	39.4	36.0	1,663,000	2,217,600
Steele	69,600	89,000	69,100	88,800	39.1	35.5	2,701,000	3,152,400
Waseca	83,700	92,000	83,000	91,800	39.9	36.5	3,309,000	3,350,700
Watsonwan	105,000	125,000	104,000	123,600	42.1	34.5	4,383,000	4,264,200
Total	1,283,300	1,507,500	1,267,300	1,496,000	39.4	34.7	49,929,000	51,858,000
Southeast Dist. (9)								
Dakota	48,500	66,000	48,200	65,800	36.1	36.5	1,742,000	2,401,700
Dodge	66,500	76,000	65,900	75,800	33.0	32.5	2,172,000	2,463,500
Fillmore	37,000	42,000	36,800	41,800	34.5	31.0	1,269,500	1,295,800
Goodhue	43,000	57,000	42,600	56,900	31.9	32.0	1,358,000	1,820,800
Houston	2,000	2,500	1,900	2,500	34.9	40.0	66,400	100,000
Mower	141,000	162,000	140,100	159,600	29.8	30.5	4,170,000	4,867,800
Olmsted	29,000	38,000	26,500	37,500	31.7	30.0	840,000	1,125,000
Wabasha	16,000	17,000	15,800	17,000	33.3	33.0	525,700	561,000
Winona	7,400	8,000	7,300	8,000	31.4	33.5	229,500	268,000
Total	390,400	468,500	385,100	464,900	32.1	32.1	12,373,100	14,903,600
STATE TOTAL	4,100,000	5,300,000	4,060,000	5,230,000	36.0	32.0	146,160,000	167,360,000

Geographic Distribution of Corn and

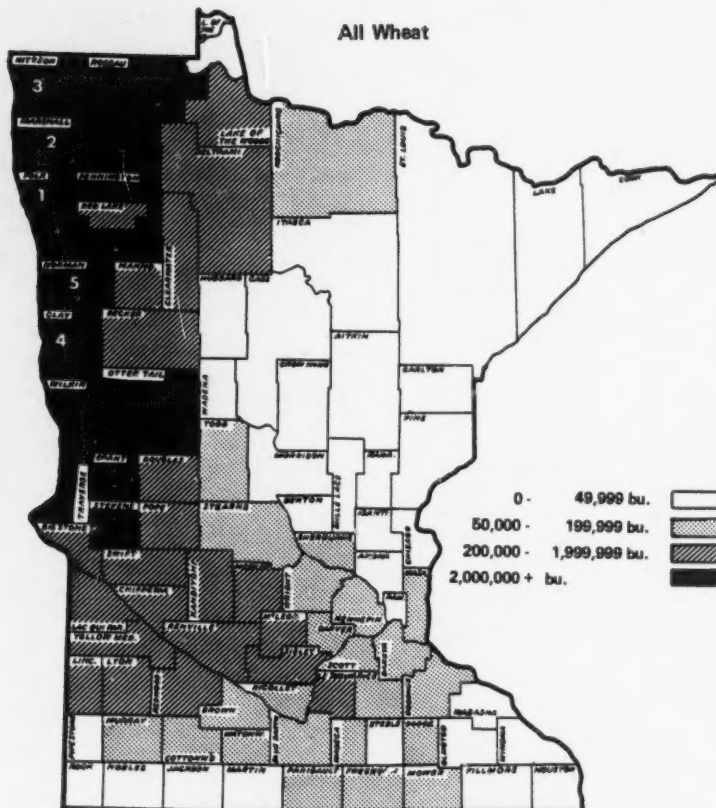
Soybean Production, Minnesota, 1979



All Wheat

Geographic Distribution of Wheat and

Sunflower Production, Minnesota, 1979



All Sunflowers

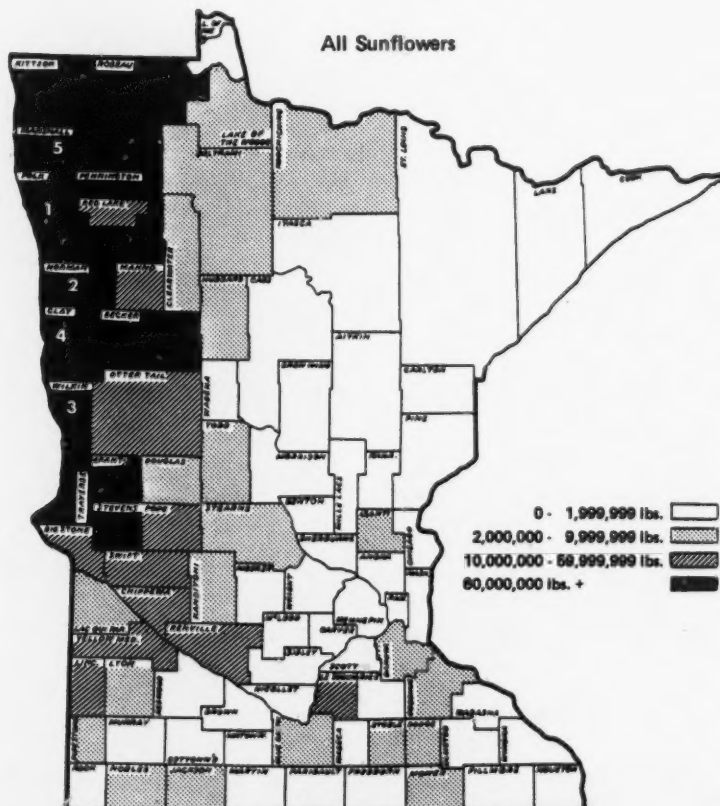


Table 20 -- ALL WHEAT: Minnesota Acreage, Yield, and Production, by County

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)								
	Acres		Acres		Bushels		Bushels	
Becker	63,900	86,000	62,400	88,000	36.3	33.1	2,264,400	1,854,000
Clay	181,300	199,000	176,900	190,100	40.5	37.7	7,156,700	7,161,000
Clearwater	8,800	9,900	8,500	9,300	26.2	26.1	223,100	242,700
Kittson	214,200	227,100	211,800	223,500	39.5	38.5	8,368,000	8,607,700
Mahnomen	34,600	33,400	33,800	32,600	30.8	33.0	1,040,500	1,076,300
Marshall	317,500	318,500	312,200	313,400	39.6	38.1	12,354,000	11,927,900
Norman	154,900	153,000	153,600	150,000	41.4	36.0	6,364,700	5,401,200
Pennington	73,400	88,000	72,600	86,100	36.0	30.8	2,610,200	2,648,800
Polk	334,200	348,500	328,700	342,300	42.5	39.5	13,985,100	13,516,700
Red Lake	55,500	57,000	54,200	53,200	35.9	31.5	1,946,400	1,677,000
Roseau	134,800	146,100	132,300	142,600	36.5	35.0	4,823,500	4,991,000
Total	1,573,100	1,633,500	1,547,000	1,599,100	39.5	37.0	61,136,600	59,104,300
North Cent. Dist. (2)								
Beltrami	6,600	10,000	6,400	9,500	24.1	27.2	154,200	258,000
Cass	300	400	200	400	26.0	26.8	5,200	10,700
Hubbard	1,100	1,200	1,000	1,100	33.8	30.5	33,800	33,600
Itasca	500	700	500	700	31.8	26.6	15,900	18,600
Koochiching	1,800	4,200	1,600	3,400	24.0	31.9	38,400	108,600
Lake of the Woods	13,600	19,200	12,900	18,400	28.9	36.8	373,200	676,300
Total	23,900	35,700	22,600	33,500	27.5	33.0	620,700	1,105,800
Northeast Dist. (3)								
Cook	--	--	--	--	--	--	--	--
Lake	--	--	--	--	--	--	--	--
St. Louis	900	700	800	700	25.3	26.6	20,200	18,600
Total	900	700	800	700	25.3	26.6	20,200	18,600
West Cent. Dist. (4)								
Big Stone	65,200	53,900	63,400	52,900	22.4	32.0	1,421,800	1,690,800
Chippewa	50,600	34,600	48,900	33,700	26.3	33.0	1,286,500	1,112,300
Douglas	35,500	27,800	34,600	26,600	22.2	28.0	767,900	743,800
Grant	100,200	95,200	97,400	93,100	24.9	31.0	2,425,400	2,885,800
Lac Qui Parle	75,900	52,200	74,200	51,300	26.5	33.0	1,963,500	1,691,800
Otter Tail	84,600	75,000	82,000	73,500	26.6	30.0	2,179,100	2,202,800
Pope	30,900	31,300	29,700	30,800	25.6	31.0	759,900	954,200
Stevens	77,800	68,100	73,600	67,000	23.5	34.0	1,730,600	2,276,500
Swift	74,400	48,600	72,700	47,700	23.9	32.0	1,740,500	1,527,400
Traverse	109,100	103,600	106,300	101,500	23.5	33.0	2,500,600	3,346,700
Wilkin	129,800	139,500	126,900	136,600	30.5	32.9	3,870,800	4,500,700
Yellow Medicine	52,600	26,900	50,600	26,400	29.1	32.9	1,471,600	869,000
Total	886,600	756,700	860,300	741,100	25.7	32.1	22,118,200	23,801,800
Central Dist. (5)								
Benton	1,000	600	900	600	21.3	25.5	19,200	15,300
Carver	5,100	2,700	4,900	2,600	24.2	32.7	118,400	85,100
Kandiyohi	24,800	16,200	23,700	15,900	22.4	32.1	530,000	510,300
McLeod	15,200	8,300	14,500	8,100	21.0	34.1	304,300	276,300
Meeker	14,600	9,900	13,800	9,500	22.1	32.3	304,900	306,900
Morrison	1,400	900	1,200	900	23.3	26.4	28,000	23,800
Renville	58,500	29,300	57,600	28,400	33.5	31.0	1,927,800	881,600
Scott	4,100	2,700	3,900	2,500	24.3	36.2	94,800	90,600
Sherburne	1,300	2,000	1,200	1,900	27.2	32.4	32,600	61,500
Sibley	19,200	12,200	18,700	11,800	30.2	30.2	564,900	356,700
Stearns	13,500	6,500	11,700	6,300	18.7	24.2	219,000	152,600
Todd	5,000	2,200	4,700	2,100	22.0	29.8	103,300	62,500
Wadena	1,100	700	900	700	26.7	29.7	24,000	20,800
Wright	8,000	3,900	7,600	3,700	19.0	30.7	144,200	113,500
Total	172,800	98,100	165,300	95,800	26.7	31.1	4,415,400	2,957,500

Table 20 -- ALL WHEAT: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
East Cent. Dist. (6)	Acres		Acres		Bushels		Bushels	
Aitkin	800	1,000	700	900	27.4	29.9	19,200	26,800
Anoka	300	500	300	400	26.7	32.0	8,000	12,800
Carlton	300	200	200	200	23.0	31.0	4,600	6,200
Chisago	400	200	400	200	26.3	30.5	10,500	6,100
Crow Wing	200	100	200	100	23.0	25.0	4,600	2,500
Hennepin	2,600	2,000	2,200	1,700	27.6	32.4	60,700	55,100
Isanti	600	500	600	500	26.8	30.2	16,100	15,100
Kanabec	200	300	200	300	25.5	31.3	5,100	9,400
Millie Lacs	1,400	500	1,300	400	23.9	27.5	31,100	11,000
Pine	300	100	300	100	26.7	30.0	8,000	3,000
Ramsey	100	100	100	100	27.0	32.0	2,700	3,200
Washington	2,500	1,600	2,300	1,500	28.3	38.8	65,000	58,200
Total	9,700	7,100	8,800	6,400	26.8	32.7	235,600	209,400
Southwest Dist. (7)								
Cottonwood	7,700	2,900	7,200	2,800	33.8	28.3	243,200	79,200
Jackson	4,200	600	3,900	600	27.1	30.0	105,500	18,000
Lincoln	17,100	18,400	15,900	17,900	25.0	29.2	397,900	522,200
Lyon	25,000	12,900	22,600	12,600	28.0	28.1	633,900	354,100
Murray	8,800	4,000	8,300	3,900	30.0	28.4	249,200	110,800
Nobles	2,000	1,400	1,900	1,400	29.1	33.1	55,300	46,400
Pipestone	3,100	1,800	2,600	1,800	22.0	25.6	57,200	46,000
Redwood	26,100	13,300	24,700	12,600	27.0	28.3	667,900	357,200
Rock	1,600	500	1,300	500	28.8	33.0	37,400	16,500
Total	95,600	55,800	88,400	54,100	27.7	28.7	2,447,500	1,550,400
South Cent. Dist. (8)								
Blue Earth	5,300	4,600	5,000	4,100	32.5	34.2	162,300	140,300
Brown	5,500	5,300	5,200	4,200	24.8	29.1	128,700	122,300
Faribault	4,300	3,000	4,100	2,700	30.3	31.3	124,200	84,600
Freeborn	3,200	1,700	2,900	1,600	28.2	33.6	81,800	53,700
LeSueur	12,800	7,800	12,300	7,200	28.4	36.6	348,800	263,400
Martin	600	300	600	300	27.5	34.7	16,500	10,400
Nicollet	8,600	4,900	8,100	4,700	30.3	32.3	245,100	152,000
Rice	5,900	2,700	5,700	2,600	25.8	34.5	147,200	89,800
Steele	3,300	1,100	3,200	1,000	26.6	36.4	85,200	36,400
Waseca	5,400	2,500	5,200	2,400	26.9	37.2	140,000	89,300
Watsonwan	5,200	2,600	4,900	2,500	25.6	31.0	125,500	77,400
Total	60,100	36,500	57,200	33,300	28.1	33.6	1,605,300	1,119,600
Southeast Dist. (9)								
Dakota	8,800	5,100	8,500	4,500	26.8	36.7	228,000	165,300
Dodge	4,300	2,100	4,100	2,000	24.2	31.9	99,200	63,900
Fillmore	1,400	700	1,400	700	25.5	36.3	35,700	25,400
Goodhue	4,200	2,800	4,000	2,600	22.5	36.4	90,000	94,600
Houston	300	400	300	400	24.0	37.8	7,200	15,100
Mower	3,400	1,800	3,100	1,700	23.9	32.3	74,200	54,900
Olmsted	2,400	1,100	1,900	1,100	22.7	30.1	43,100	33,100
Wabasha	1,400	800	1,300	800	21.1	34.3	27,400	27,400
Winona	1,100	1,100	1,000	1,000	20.7	36.9	20,700	36,900
Total	27,300	15,900	25,600	14,800	24.4	34.9	625,500	516,600
STATE TOTAL	2,850,000	2,640,000	2,776,000	2,678,000	33.6	36.1	93,225,000	90,384,000

Table 21 - SPRING WHEAT: Minnesota Acreage, Yield, and Production, by County

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)	Acre		Acre		Bushels		Bushels	
Becker	60,700	54,000	60,000	53,000	36.5	33.0	2,190,000	1,749,000
Clay	142,800	145,000	139,400	162,200	39.7	37.5	5,534,000	6,082,500
Clearwater	7,500	9,000	7,400	8,500	26.1	25.8	193,000	219,300
Kittson	213,000	225,400	210,600	222,000	39.5	38.5	8,319,000	8,547,000
Mahnomen	32,000	32,500	31,600	31,900	30.8	33.0	973,000	1,052,700
Marshall	308,000	310,000	303,300	305,300	39.5	38.0	11,980,000	11,601,400
Norman	148,500	150,000	147,400	147,400	41.4	36.0	6,098,000	5,306,400
Pennington	72,500	85,700	71,800	84,200	36.0	30.7	2,585,000	2,584,900
Polk	323,000	330,000	318,100	324,600	42.5	39.5	13,519,000	12,821,700
Red Lake	52,500	56,000	51,400	52,400	36.0	31.5	1,850,000	1,650,600
Roseau	121,400	135,000	120,200	132,700	36.5	35.0	4,387,000	4,644,500
Total	1,481,900	1,552,600	1,461,200	1,524,200	39.4	36.9	57,628,300	56,260,000
North Cent. Dist. (2)								
Beltrami	6,000	9,400	5,800	9,000	24.0	27.0	139,200	243,000
Cass	300	300	200	300	26.0	26.0	5,200	7,800
Hubbard	900	900	800	900	35.0	30.0	28,000	27,000
Itasca	400	600	400	600	33.0	26.0	13,200	15,600
Koochiching	1,400	4,000	1,300	3,300	24.0	32.0	31,200	105,600
Lake of the Woods	13,000	18,000	12,400	17,400	28.9	37.0	358,100	643,800
Total	22,000	33,200	20,900	31,500	27.5	33.1	574,900	1,042,800
Northeast Dist. (3)								
Cook	--	--	--	--	--	--	--	--
Lake	--	--	--	--	--	--	--	--
St. Louis	700	600	600	600	25.3	26.0	15,200	15,600
Total	700	600	600	600	25.3	26.0	15,200	15,600
West Cent. Dist. (4)								
Big Stone	59,000	52,000	57,700	51,200	22.2	32.0	1,280,000	1,638,400
Chippewa	49,000	34,000	47,400	33,100	26.2	33.0	1,242,000	1,092,300
Douglas	32,500	25,500	31,900	24,500	22.1	28.0	704,600	686,000
Grant	98,000	94,000	95,600	92,100	24.9	31.0	2,377,000	2,855,100
Lac Qui Parle	74,500	51,000	73,200	50,200	26.5	33.0	1,937,000	1,656,600
Otter Tail	81,000	73,000	78,800	71,700	26.6	30.0	2,093,000	2,151,000
Pope	30,000	31,000	28,900	30,500	25.6	31.0	738,900	945,500
Stevens	76,000	67,000	72,100	66,000	23.5	34.0	1,694,000	2,244,000
Swift	71,500	46,500	70,100	45,800	23.9	32.0	1,674,000	1,465,600
Traverse	106,000	101,000	103,300	99,000	23.4	33.0	2,418,000	3,267,000
Wilkin	124,500	136,000	122,500	133,700	30.6	33.0	3,750,000	4,412,100
Yellow Medicine	51,000	25,500	49,400	25,100	29.0	33.0	1,434,000	828,300
Total	853,000	736,500	830,900	722,900	25.7	32.2	21,342,500	23,241,900
Central Dist. (5)								
Benton	500	200	400	200	21.0	25.0	8,400	5,000
Carver	4,000	1,800	3,900	1,700	23.0	32.0	89,700	54,400
Kandiyohi	23,500	15,000	22,600	14,800	22.2	32.0	502,200	473,600
McLeod	13,000	7,000	12,700	6,900	20.2	33.0	256,500	227,700
Meeker	13,000	8,000	12,500	7,900	21.8	31.0	272,400	244,900
Morrison	800	500	600	500	23.2	25.0	13,900	12,500
Renville	57,500	28,000	56,800	27,200	33.5	31.0	1,901,000	843,200
Scott	2,700	1,500	2,600	1,400	21.0	33.0	54,600	46,200
Sherburne	500	1,000	500	1,000	26.0	30.0	13,000	30,000
Sibley	17,500	10,500	17,200	10,300	30.0	29.0	516,000	298,700
Stearns	12,000	5,000	10,300	4,900	18.0	23.0	185,400	112,700
Todd	4,300	1,800	4,100	1,700	21.9	30.0	89,700	51,000
Wadena	600	300	500	300	28.0	30.0	14,000	9,000
Wright	6,600	3,000	6,300	2,900	18.2	29.0	114,500	84,100
Total	156,500	83,400	151,000	81,700	26.7	30.5	4,031,300	2,493,000

Table 21 - SPRING WHEAT: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
East Cent. Dist. (6)	Acres		Acres		Bushels		Bushels	
Aitkin	700	700	600	700	28.0	30.0	16,800	21,000
Anoka	200	200	200	200	26.5	32.0	5,300	6,400
Carlton	300	200	200	200	23.0	31.0	4,600	6,200
Chisago	200	100	200	100	26.5	30.0	5,300	3,000
Crow Wing	200	100	200	100	23.0	25.0	4,600	2,500
Hennepin	1,000	900	900	900	27.0	32.0	24,300	28,800
Isanti	400	400	400	400	27.0	30.0	10,800	12,000
Kanabec	100	100	100	100	25.0	31.0	2,500	3,100
Millie Lacs	1,200	300	1,100	200	24.0	26.0	26,400	5,200
Pine	200	100	200	100	26.5	30.0	5,300	3,000
Ramsey	--	--	--	--	--	--	--	--
Washington	2,000	900	1,900	900	28.0	38.0	53,200	34,200
Total	6,500	4,000	6,000	3,900	26.5	32.2	159,100	125,400
Southwest Dist. (7)								
Cottonwood	7,000	2,700	6,600	2,600	34.0	28.0	224,400	72,800
Jackson	4,000	500	3,700	500	27.0	29.0	99,900	14,500
Lincoln	16,500	17,000	15,400	16,600	24.9	29.0	383,500	481,400
Lyon	24,500	12,500	22,200	12,200	28.0	28.0	621,600	341,600
Murray	8,500	3,500	8,000	3,400	30.0	28.0	240,000	95,200
Nobles	1,500	1,000	1,400	1,000	29.0	32.0	40,600	32,000
Pipestone	3,000	1,500	2,500	1,500	22.0	25.0	55,000	37,500
Redwood	25,000	12,000	23,700	11,400	27.0	28.0	639,900	319,200
Rock	1,000	500	800	500	28.0	33.0	22,400	16,500
Total	91,000	51,200	84,300	49,700	27.6	28.4	2,327,300	1,410,700
South Cent. Dist. (8)								
Blue Earth	4,000	3,500	3,800	3,100	31.5	33.0	119,700	102,300
Brown	4,500	4,000	4,300	3,300	24.0	28.0	103,200	92,400
Faribault	4,000	2,500	3,800	2,300	30.0	30.0	114,000	69,000
Freeborn	3,000	1,200	2,700	1,100	28.0	32.0	75,600	35,200
LeSueur	9,500	5,700	9,200	5,300	26.5	35.0	243,800	185,500
Martin	500	200	500	200	27.0	33.0	13,500	6,600
Nicollet	7,000	4,100	6,600	4,000	29.5	31.0	194,700	124,000
Rice	5,500	2,200	5,300	2,100	25.5	34.0	135,200	71,400
Steele	3,000	1,000	2,900	900	26.5	36.0	76,800	32,400
Waseca	5,000	2,000	4,800	1,900	26.5	37.0	127,200	70,300
Watsonwan	4,500	2,000	4,300	1,900	25.0	30.0	107,500	57,000
Total	50,500	28,500	48,200	26,100	27.2	32.4	1,311,200	846,100
Southeast Dist. (9)								
Dakota	6,000	2,600	5,900	2,400	25.5	35.0	150,400	84,000
Dodge	3,000	1,600	2,900	1,500	21.5	30.0	62,400	45,000
Fillmore	1,000	500	1,000	500	24.0	36.0	24,000	18,000
Goodhue	2,700	1,600	2,600	1,500	19.0	35.0	49,400	52,500
Houston	300	300	300	300	24.0	38.0	7,200	11,400
Mower	1,800	1,100	1,600	1,100	22.0	31.0	35,200	34,100
Olmsted	1,500	900	1,100	900	21.0	29.0	23,100	26,100
Wabasha	900	500	800	500	19.0	35.0	15,200	17,500
Winona	700	700	700	700	19.0	37.0	13,300	25,900
Total	17,900	9,800	16,900	9,400	22.5	33.5	380,200	314,500
STATE TOTAL	2,680,000	2,500,000	2,620,000	2,450,000	33.5	35.0	87,770,000	85,750,000

Table 22 - OATS: Minnesota Acreage, Yield, and Production, by County

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
	<u>Acre</u>		<u>Acre</u>		<u>Bushels</u>		<u>Bushels</u>	
Northwest Dist. (1)								
Becker	42,700	32,900	40,300	31,600	55.4	51.0	2,231,000	1,611,600
Clay	16,000	18,000	15,300	16,900	61.6	60.0	942,200	1,014,000
Clearwater	27,000	23,200	24,500	22,000	48.8	42.5	1,195,000	935,000
Kittson	24,500	9,000	22,700	8,300	50.6	50.0	1,149,000	415,000
Mahnomen	30,700	22,000	28,900	20,700	57.8	52.5	1,670,000	1,086,800
Marshall	62,500	32,000	58,500	30,600	61.0	53.0	3,569,000	1,621,800
Norman	38,200	22,800	35,900	21,000	63.0	54.0	2,263,000	1,134,000
Pennington	36,000	18,400	34,300	17,100	62.0	44.0	2,127,000	752,400
Polk	40,200	23,000	37,000	22,100	58.6	57.0	2,169,000	1,259,700
Red Lake	30,600	12,500	29,000	11,400	57.8	50.0	1,676,000	570,000
Roseau	67,400	33,000	62,500	31,500	67.3	60.0	4,206,000	1,890,000
Total	415,800	246,800	388,900	233,200	59.6	52.7	23,197,200	12,290,300
North Cent. Dist. (2)								
Beltrami	17,800	15,200	16,600	13,900	44.7	41.0	741,200	569,900
Cass	8,200	5,500	6,600	4,600	31.2	46.0	205,900	211,600
Hubbard	12,700	11,700	11,100	9,900	46.0	45.0	510,100	445,500
Itasca	7,400	5,900	5,100	5,200	35.5	41.0	181,000	213,200
Koochiching	6,800	5,500	4,600	4,900	35.0	42.0	161,000	205,800
Lake of the Woods	14,900	11,500	13,800	11,000	53.0	63.0	731,400	693,000
Total	67,800	55,300	57,800	49,500	43.8	47.3	2,530,600	2,339,000
Northeast Dist. (3)								
Cook	100	100	--	100	--	42.0	--	4,200
Lake	100	100	--	100	--	42.0	--	4,200
St. Louis	6,700	5,500	4,300	4,800	40.0	44.0	172,000	211,200
Total	6,900	5,700	4,300	5,000	40.0	43.9	172,000	219,600
West Cent. Dist. (4)								
Big Stone	31,700	18,900	28,700	17,200	53.3	65.0	1,530,000	1,118,000
Chippewa	18,500	11,100	14,300	9,800	49.0	67.0	700,400	656,600
Douglas	57,000	62,000	53,700	58,900	53.1	56.5	2,854,000	3,327,900
Grant	19,000	12,000	16,100	11,000	53.1	57.0	854,300	627,000
Lac Qui Parle	37,500	25,000	34,200	20,900	49.0	63.0	1,675,000	1,316,700
Otter Tail	138,000	139,000	129,000	132,000	53.5	53.0	6,904,000	6,996,000
Pope	52,500	44,000	45,500	41,300	50.3	60.5	2,289,000	2,498,700
Stevens	26,000	17,500	20,800	16,400	58.1	62.0	1,208,000	1,016,800
Swift	29,000	20,100	22,500	16,100	49.4	60.0	1,111,000	966,000
Traverse	23,700	15,000	22,600	14,200	58.1	64.5	1,314,000	915,900
Wilkin	17,600	13,000	16,400	12,100	58.7	60.0	962,400	726,000
Yellow Medicine	32,000	17,500	24,100	14,600	49.4	68.0	1,191,000	992,800
Total	482,500	395,100	427,900	364,500	52.8	58.0	22,593,100	21,158,400
Central District (5)								
Benton	21,700	18,000	19,000	16,500	44.7	51.5	850,100	849,800
Carver	12,500	11,200	10,800	10,500	56.3	60.0	608,000	630,000
Kandiyohi	40,500	27,500	33,100	24,500	47.7	60.0	1,578,000	1,470,000
McLeod	27,500	18,700	24,000	17,000	51.4	68.0	1,234,000	1,156,000
Meeker	24,100	21,300	20,900	20,100	47.8	68.0	998,200	1,366,800
Morrison	37,200	36,000	34,200	32,600	50.8	52.5	1,736,000	1,711,500
Renville	29,500	18,000	25,600	16,600	54.4	69.0	1,393,000	1,145,400
Scott	11,500	10,300	9,300	9,500	54.0	68.0	502,500	646,000
Sherburne	3,300	3,200	3,100	3,000	43.9	50.0	136,000	150,000
Sibley	18,200	14,000	14,800	12,300	62.8	64.0	929,500	787,200
Stearns	108,000	96,100	99,400	90,300	48.2	55.5	4,790,000	5,011,700
Todd	54,200	56,300	51,000	53,500	51.3	55.5	2,615,000	2,969,300
Wadena	14,500	14,000	12,900	12,500	47.7	54.5	615,000	681,300
Wright	31,200	27,400	28,000	25,100	41.9	57.0	1,172,000	1,430,700
Total	433,900	372,000	386,100	344,000	49.6	58.2	19,157,300	20,005,700

Table 22 - OATS: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
East Cent. Dist. (6)	Acres	Acres	Acres	Acres	Bushels	Bushels	Bushels	Bushels
Aitkin	7,500	6,100	5,300	4,500	31.0	42.0	164,200	188,000
Anoka	1,500	1,200	1,200	900	39.7	47.0	47,700	42,300
Carlton	6,500	7,000	5,300	6,000	43.2	46.5	229,100	279,000
Chisago	7,600	6,300	6,200	5,300	43.0	48.0	266,900	254,400
Crow Wing	9,000	8,000	7,600	7,100	41.1	44.0	312,500	312,400
Hennepin	8,000	7,500	7,000	6,600	52.3	56.0	365,900	369,600
Isanti	6,500	4,000	5,900	3,600	48.7	56.0	287,200	201,600
Kanabec	11,000	8,400	8,400	7,500	45.2	50.0	379,600	375,000
Millie Lacs	17,800	12,000	13,900	10,700	50.0	50.0	695,100	535,000
Pine	17,800	16,000	15,600	14,100	42.9	49.0	669,700	690,900
Ramsey	400	200	300	200	35.0	40.0	10,500	8,000
Washington	8,800	7,600	8,000	7,100	50.0	56.0	400,000	397,600
Total	102,400	83,300	84,700	73,600	45.2	49.7	3,828,400	3,654,800
Southwest Dist. (7)								
Cottonwood	16,200	11,200	9,700	8,100	63.3	58.0	613,900	469,800
Jackson	14,700	6,500	9,300	4,400	70.2	62.0	652,900	272,800
Lincoln	44,000	29,000	37,600	25,600	44.5	60.0	1,673,000	1,536,000
Lyon	49,200	31,800	32,800	24,700	47.1	58.0	1,544,000	1,432,600
Murray	33,600	27,500	22,700	22,100	53.7	59.0	1,219,000	1,303,900
Nobles	27,700	19,000	20,100	16,900	58.6	58.0	1,178,000	922,200
Pipestone	45,900	32,000	35,300	26,900	47.7	58.0	1,684,000	1,560,200
Redwood	19,700	15,000	12,800	11,900	63.9	58.0	817,800	690,200
Rock	25,200	20,000	16,500	15,000	56.3	60.0	929,700	900,000
Total	276,200	192,000	196,800	154,600	52.4	58.8	10,312,300	9,087,700
South Cent. Dist. (8)								
Blue Earth	9,500	5,400	6,200	4,500	75.3	75.0	466,700	337,500
Brown	19,500	16,300	14,100	13,900	56.8	61.0	801,100	847,900
Faribault	9,600	6,600	6,500	5,200	68.4	73.0	444,500	379,600
Freeborn	17,400	13,100	11,100	11,800	63.7	58.0	707,300	684,400
LeSueur	8,500	5,100	6,100	4,500	59.6	71.0	363,300	319,500
Martin	13,400	8,000	9,100	5,900	71.1	58.0	646,800	342,200
Nicollet	10,500	8,400	7,900	7,500	66.9	68.0	528,800	510,000
Rice	15,600	14,000	12,500	12,900	60.6	69.0	756,900	890,100
Steele	12,000	7,500	8,700	6,500	64.2	65.0	558,300	422,500
Waseca	4,300	4,700	3,600	3,800	59.0	61.0	212,500	231,800
Watsonwan	8,800	5,400	5,400	4,400	64.6	57.0	349,000	250,800
Total	129,100	94,500	91,200	80,900	64.0	64.5	5,835,200	5,216,300
Southeast Dist. (9)								
Dakota	19,100	14,800	15,600	13,700	58.8	55.0	916,900	890,500
Dodge	15,800	9,700	12,000	8,900	62.5	64.0	749,600	569,600
Fillmore	39,500	31,000	31,900	26,000	61.8	54.0	1,972,000	1,404,000
Goodhue	34,500	33,200	29,800	31,500	53.5	65.0	1,595,000	2,047,500
Houston	14,400	15,400	11,300	13,700	64.3	59.0	726,400	808,300
Mower	28,300	22,900	21,400	18,900	59.1	57.0	1,264,000	1,077,300
Olmsted	30,500	24,800	26,400	23,100	59.1	52.0	1,559,000	1,201,200
Wabasha	27,500	27,000	22,200	24,900	53.3	62.0	1,183,000	1,543,800
Winona	25,800	26,500	21,700	24,000	56.6	69.0	1,228,000	1,416,000
Total	235,400	206,300	192,300	184,700	58.2	59.3	11,193,900	10,958,200
STATE TOTAL	2,150,000	1,850,000	1,830,000	1,490,000	54.0	57.0	98,820,000	84,930,000

Table 23 -- BARLEY: Minnesota Acreage, Yield, and Production, by County

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)	Acres		Acres		Bushels		Bushels	
Becker	45,000	36,500	44,600	34,200	50.1	32.0	2,235,000	1,082,400
Clay	91,500	70,500	90,600	69,600	55.3	56.0	5,012,000	3,932,600
Clearwater	6,500	7,000	6,100	5,900	36.1	40.0	220,000	270,000
Kittson	66,500	37,000	66,000	36,700	44.9	56.8	2,964,000	2,073,600
Mahnomen	34,000	32,000	33,700	31,800	38.4	54.5	1,293,000	1,733,100
Marshall	107,000	80,000	102,900	79,200	52.5	53.5	5,405,000	4,237,200
Norman	99,000	66,000	98,500	65,700	57.6	56.0	5,672,000	3,679,200
Pennington	51,000	46,500	50,600	46,200	50.1	46.5	2,535,000	2,148,300
Polk	190,500	151,000	189,000	150,000	57.3	59.5	10,829,000	8,925,000
Red Lake	31,700	24,000	31,400	23,700	48.4	47.0	1,519,000	1,113,900
Roseau	42,400	21,000	40,000	20,800	52.4	48.0	2,096,000	998,400
Total	765,100	571,500	753,400	566,800	52.8	54.6	39,780,000	30,964,700
North Cent. Dist. (2)								
Beltrami	3,700	4,200	3,500	3,400	35.7	40.0	125,000	136,000
Cass	400	300	300	200	35.0	36.0	10,500	7,200
Hubbard	2,300	2,000	1,700	1,600	50.6	42.0	86,000	67,200
Itasca	400	200	300	100	40.0	38.0	12,000	3,800
Koochiching	1,700	800	1,200	700	31.0	39.0	37,200	27,300
Lake of the Woods	4,500	4,500	4,000	4,200	49.2	49.0	196,800	205,800
Total	13,000	12,000	11,000	10,200	42.5	43.9	467,500	447,300
Northeast Dist. (3)								
Cook	--	--	--	--	--	--	--	--
Lake	--	--	--	--	--	--	--	--
St. Louis	1,500	2,400	1,200	1,800	36.0	39.0	43,200	70,200
Total	1,500	2,400	1,200	1,800	36.0	39.0	43,200	70,200
West Cent. Dist. (4)								
Big Stone	13,000	5,500	12,900	5,400	37.3	52.0	480,900	280,800
Chippewa	2,800	1,400	2,600	1,400	38.7	51.0	100,600	71,400
Douglas	12,100	7,500	12,000	7,400	31.2	40.0	373,800	296,000
Grant	43,000	23,000	42,700	22,800	34.6	48.0	1,477,000	1,094,400
Lac Qui Parle	2,200	900	2,100	900	41.2	50.0	86,500	45,000
Otter Tail	42,000	38,500	41,100	38,100	44.1	48.0	1,813,000	1,828,800
Pope	5,500	4,100	5,300	4,000	38.4	48.0	203,700	192,000
Stevens	23,300	15,200	23,100	15,100	43.0	51.0	994,000	770,100
Swift	4,300	2,000	4,200	1,900	40.8	49.0	171,300	93,100
Traverse	41,400	25,000	40,900	24,600	36.8	51.0	1,506,000	1,254,600
Wilkin	74,500	51,000	74,000	50,500	48.2	50.0	3,566,000	2,525,000
Yellow Medicine	700	300	700	300	41.3	49.0	28,900	14,700
Total	264,800	174,400	261,600	172,400	41.3	49.1	10,801,700	8,465,900
Central District (5)								
Benton	500	400	400	400	32.0	36.0	12,800	14,400
Carver	300	400	300	400	34.0	44.0	10,200	17,600
Kandiyohi	1,300	600	1,200	600	36.0	49.0	43,200	29,400
McLeod	300	100	300	100	38.0	45.0	11,400	4,500
Meeker	400	300	400	300	36.0	47.0	14,400	14,100
Morrison	300	600	300	500	32.0	34.0	9,600	17,000
Renville	300	200	300	200	45.0	47.0	13,500	9,400
Scott	100	100	100	100	33.0	44.0	3,300	4,400
Sherburne	100	100	100	100	35.0	40.0	3,500	4,000
Sibley	400	200	400	200	43.0	43.0	17,200	8,600
Stearns	3,000	2,300	2,900	2,100	34.8	38.0	101,000	79,800
Todd	800	800	700	700	32.0	41.0	22,400	28,700
Wadena	1,300	700	1,100	700	45.0	45.0	49,500	31,500
Wright	300	200	300	200	30.0	44.0	9,000	8,800
Total	9,400	7,000	8,800	6,000	36.5	41.7	321,000	272,200

Table 23 - BARLEY: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage planted		Acreage harvested for grain		Yield per harv. acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
East Cent. Dist. (6)	Acre	Acre	Acre	Acre	Bushels	Bushels	Bushels	Bushels
Aitkin	300	700	300	500	39.0	45.0	11,700	22,500
Anoka	100	100	100	100	36.0	40.0	3,600	4,000
Carlton	400	500	300	400	37.0	45.0	11,100	18,000
Chisago	100	100	100	100	37.0	45.0	3,700	4,500
Crow Wing	200	200	200	200	33.0	38.0	6,600	7,600
Hennepin	200	100	200	100	35.0	38.0	7,000	3,800
Isanti	300	200	300	200	39.0	41.0	11,700	8,200
Kanabec	300	200	200	200	36.0	41.0	7,200	8,200
Millie Lacs	600	300	500	200	36.0	38.0	18,000	7,600
Pine	400	300	300	200	38.0	42.0	11,400	8,400
Ramsey	--	--	--	--	--	--	--	--
Washington	200	200	200	200	37.0	50.0	7,400	10,000
Total	3,100	2,900	2,700	2,400	36.8	42.8	99,400	102,800
Southwest Dist. (7)								
Cottonwood	300	100	300	100	42.0	50.0	12,600	5,000
Jackson	100	--	100	--	41.0	--	4,100	--
Lincoln	2,900	2,400	2,700	2,400	38.9	46.0	105,000	110,400
Lyon	900	600	800	600	41.0	45.0	32,800	27,000
Murray	300	200	300	200	42.0	42.0	12,600	8,400
Nobles	400	200	400	200	42.0	44.0	16,800	8,800
Pipestone	500	300	400	300	40.0	40.0	16,000	12,000
Redwood	400	200	400	200	41.0	44.0	16,400	8,800
Rock	300	100	300	100	41.0	49.0	12,300	4,900
Total	6,100	4,100	5,700	4,100	40.1	45.2	228,600	185,300
South Cent. Dist. (8)								
Blue Earth	500	500	500	500	52.0	53.0	26,000	26,500
Brown	500	300	400	300	38.0	43.0	15,200	12,900
Faribault	100	--	100	--	46.0	--	4,600	--
Freeborn	300	--	300	--	44.0	--	13,200	--
LeSueur	300	200	200	200	47.0	52.0	9,400	10,400
Martin	100	100	100	100	40.0	50.0	4,000	5,000
Nicollet	100	--	100	--	44.0	--	4,400	--
Rice	400	700	300	700	36.0	50.0	10,800	35,000
Steele	300	100	200	100	42.0	52.0	8,400	5,200
Waseca	100	100	100	100	44.0	52.0	4,400	5,200
Watsonwan	300	100	300	100	40.0	50.0	12,000	5,000
Total	3,000	2,100	2,600	2,100	43.2	50.1	112,400	105,200
Southeast Dist. (9)								
Dakota	500	500	400	500	39.0	56.0	15,600	28,000
Dodge	300	100	200	100	42.0	50.0	8,400	5,000
Fillmore	500	200	300	200	39.0	52.0	11,700	10,400
Goodhue	800	1,400	600	1,400	40.0	56.0	24,000	78,400
Houston	400	200	300	200	40.0	57.0	12,000	11,400
Mower	100	100	100	100	42.0	49.0	4,200	4,900
Olmsted	200	100	100	100	42.0	48.0	4,200	4,800
Wabasha	800	500	700	500	42.0	52.0	29,400	26,000
Winona	400	500	300	500	39.0	55.0	11,700	27,500
Total	4,000	3,500	3,000	3,600	40.4	54.6	121,200	196,400
STATE TOTAL	1,070,000	770,000	1,050,000	770,000	49.5	53.0	51,975,000	40,810,000

Table 24 -- ALL SUNFLOWERS: Minnesota Acreage, Yield, and Production, by County ^{1/}

District and county	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)	<u>Acres</u>		<u>Acres</u>		<u>Pounds</u>		<u>1,000 pounds</u>	
Becker	11,500	53,000	11,300	51,000	1,543	1,390	17,440	70,872
Clay	68,500	128,000	68,200	123,000	1,555	1,389	106,018	170,902
Clearwater	3,000	6,000	2,700	5,500	1,476	1,370	3,985	7,533
Kittson	17,000	52,000	16,800	49,000	1,490	1,415	25,024	69,314
Mahnomen	15,000	28,000	14,800	27,000	1,497	1,420	22,150	38,335
Marshall	55,700	123,000	55,300	116,500	1,516	1,339	83,860	155,995
Norman	78,000	135,000	77,600	129,000	1,696	1,439	131,630	185,673
Pennington	30,500	51,000	29,700	48,000	1,510	1,338	44,845	64,233
Polk	72,000	165,000	71,600	159,500	1,658	1,389	118,730	221,475
Red Lake	16,000	48,000	15,800	46,500	1,657	1,270	26,180	59,055
Roseau	25,000	51,000	24,400	49,000	1,730	1,490	42,212	73,010
Total	392,200	840,000	388,200	804,000	1,602	1,389	622,074	1,116,397
North Cent. Dist. (2)								
Beltrami	900	4,700	900	4,600	1,378	1,348	1,240	6,200
Hubbard	500	1,500	500	1,500	1,490	1,400	745	2,100
Koochiching	200	3,500	200	3,400	1,400	1,400	280	4,760
Lake of the Woods	800	3,000	800	2,700	1,690	1,470	1,352	3,970
Other Counties	400	1,400	400	1,400	1,350	1,293	540	1,810
Total	2,800	14,100	2,800	13,600	1,485	1,385	4,157	18,840
Northeast Dist. (3)								
Total	--	100	--	100	--	1,300	--	130
West Cent. Dist. (4)								
Big Stone	31,000	43,000	29,900	40,000	1,350	1,250	40,365	50,000
Chippewa	6,500	7,000	6,300	6,800	1,950	1,700	12,285	11,560
Douglas	3,800	6,000	3,700	5,800	1,414	1,341	5,230	7,780
Grant	26,000	46,000	24,800	45,000	1,296	1,360	32,150	61,188
Lac Qui Parle	2,500	6,500	2,500	6,300	1,550	1,350	3,875	8,505
Otter Tail	12,000	36,000	11,800	35,000	1,568	1,369	18,500	47,910
Pope	3,500	12,500	3,400	12,100	1,500	1,500	5,100	18,150
Stevens	20,000	43,500	19,600	42,500	1,680	1,550	32,928	65,875
Swift	14,000	32,000	13,700	30,000	1,700	1,600	23,290	48,000
Traverse	65,000	88,000	64,100	86,300	1,297	1,330	83,121	114,764
Wilkin	87,500	136,000	84,800	132,500	1,397	1,360	118,475	180,171
Yellow Medicine	4,900	8,000	4,700	7,700	1,750	1,300	8,225	10,010
Total	276,700	464,500	269,300	450,000	1,424	1,386	383,544	623,913
Central Dist. (5)								
Benton	100	1,000	100	1,000	1,200	1,300	120	1,300
Kandiyohi	800	2,000	800	2,000	1,800	1,600	1,440	3,200
Renville	3,400	10,000	3,300	9,400	1,900	1,450	6,270	13,630
Sherburne	2,000	1,500	1,900	1,500	1,000	1,287	1,900	1,930
Sibley	1,200	800	1,200	800	1,800	1,700	2,160	1,360
Stearns	1,000	3,000	1,000	2,900	1,300	1,500	1,300	4,350
Todd	1,000	2,000	1,000	2,000	1,400	1,300	1,400	2,600
Wadena	300	1,000	300	1,000	1,500	1,300	450	1,300
Other Counties	1,300	2,900	1,300	2,900	1,577	1,524	2,050	4,420
Total	11,100	24,200	10,900	23,500	1,568	1,451	17,090	34,090

Table 24 -- ALL SUNFLOWERS: Minnesota Acreage, Yield, and Production, by County (continued) 1/

District and county	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
	<u>Acres</u>		<u>Acres</u>		<u>Pounds</u>		<u>1,000 Pounds</u>	
East Cent. Dist. (6)								
Chisago	100	1,500	100	1,500	900	1,000	90	1,500
Crow Wing	100	1,500	100	1,400	1,000	1,200	100	1,680
Isanti	2,800	3,000	2,700	2,900	1,300	1,198	3,510	3,475
Washington	400	1,500	400	1,400	1,500	1,400	600	1,960
Other Counties	400	3,000	400	3,000	1,150	1,103	460	3,310
Total	3,800	10,500	3,700	10,200	1,286	1,169	4,760	11,925
Southwest Dist. (7)								
Jackson	400	2,200	400	2,100	1,700	1,200	680	2,520
Lincoln	2,400	9,500	2,300	9,300	1,550	1,100	3,565	10,230
Lyon	3,500	2,500	3,400	2,400	1,600	1,200	5,440	2,880
Murray	100	1,500	100	1,400	1,500	1,100	150	1,540
Nobles	100	1,500	100	1,500	1,500	1,400	150	2,100
Pipestone	800	1,500	800	1,500	1,500	1,400	1,200	2,100
Redwood	1,000	1,000	1,000	900	1,800	1,400	1,800	1,260
Other Counties	400	400	400	400	1,600	1,400	640	560
Total	8,700	20,100	8,500	19,500	1,603	1,189	13,625	23,190
South Cent. Dist. (8)								
Blue Earth	900	2,000	900	2,000	2,100	1,850	1,890	3,700
LeSueur	2,700	9,000	2,700	8,800	2,100	1,500	5,670	13,200
Steele	2,100	1,500	2,100	1,500	2,000	1,700	4,200	2,550
Other Counties	2,400	2,200	2,400	2,200	1,871	1,545	4,490	3,400
Total	8,100	14,700	8,100	14,500	2,006	1,576	16,250	22,850
Southeast Dist. (9)								
Dakota	800	3,000	800	2,900	1,600	1,750	1,280	5,075
Dodge	700	2,000	700	2,000	1,600	1,600	1,120	3,200
Goodhue	3,300	4,000	3,200	3,900	1,700	1,700	5,440	6,630
Mower	900	2,000	900	2,000	1,500	1,600	1,350	3,200
Other Counties	900	800	900	800	1,478	1,475	1,330	1,180
Total	6,600	11,800	6,500	11,600	1,618	1,663	10,520	19,285
STATE TOTAL	710,000	1,400,000	698,000	1,347,000	1,536	1,389	1,072,020	1,870,620

1/ Sunflower county estimates for oil and non-oil are available upon request.



Table 25 -- ALL HAY: Minnesota Acreage, Yield, and Production, by County

District and county	Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)		Acres		Tons		Tons
Becker	65,000	71,000	2.2	2.4	144,300	167,700
Clay	23,500	28,000	2.7	2.8	64,500	72,600
Clearwater	42,000	46,000	2.1	2.1	89,800	94,400
Kittson	27,500	28,000	1.6	1.9	43,500	53,200
Mahnomen	23,500	22,000	2.4	2.7	55,400	58,500
Marshall	46,000	40,000	2.0	2.1	92,800	83,000
Norman	27,500	22,500	2.4	2.8	66,100	63,000
Pennington	34,500	31,000	2.0	2.3	68,200	71,900
Polk	57,000	51,000	2.4	2.4	138,600	121,700
Red Lake	22,500	17,000	2.2	2.3	50,000	39,300
Roseau	70,000	69,500	2.3	2.1	160,700	146,300
Total	439,000	423,000	2.2	2.3	973,900	971,600
North Cent. Dist. (2)						
Beltrami	49,000	54,000	2.0	2.2	100,200	118,100
Cass	60,500	54,000	1.4	1.8	87,100	97,500
Hubbard	28,000	27,000	1.5	2.1	41,800	55,500
Itasca	39,000	41,000	1.7	1.9	67,800	78,100
Koochiching	25,000	24,000	1.5	1.7	38,200	41,600
Lake of the Woods	20,000	23,000	1.8	1.9	35,800	43,900
Total	221,500	223,000	1.7	1.9	370,900	434,700
Northeast Dist. (3)						
Cook	700	700	1.4	1.6	1,000	1,100
Lake	2,800	2,700	1.6	1.6	4,500	4,400
St. Louis	74,500	65,500	1.8	1.8	131,300	118,700
Total	78,000	68,900	1.8	1.8	136,800	124,200
West Cent. Dist. (4)						
Big Stone	12,700	11,500	2.8	3.2	35,300	36,600
Chippewa	9,700	9,800	3.1	3.4	29,700	33,100
Douglas	46,000	48,500	2.7	2.9	125,200	141,000
Grant	14,100	13,300	3.0	3.3	42,300	44,200
Lac Qui Parle	20,100	20,100	2.7	3.7	55,200	74,800
Otter Tail	166,000	168,500	2.5	3.0	408,700	510,000
Pope	35,500	35,500	3.3	3.4	116,100	119,700
Stevens	13,000	15,000	2.8	2.9	36,800	43,500
Swift	16,300	15,400	3.5	3.4	56,500	51,900
Traverse	8,500	11,000	2.4	2.8	20,500	30,600
Wilkin	15,000	16,400	1.9	2.3	27,900	37,900
Yellow Medicine	18,500	19,000	3.8	3.9	70,200	74,400
Total	375,400	384,000	2.7	3.1	1,024,400	1,197,700
Central Dist. (5)						
Benton	38,000	41,000	2.5	2.9	94,500	119,200
Carver	40,700	38,300	4.1	3.8	167,600	145,000
Kandiyohi	34,000	34,000	3.9	3.7	134,100	124,800
McLeod	34,200	28,500	4.6	4.5	156,800	127,000
Meeker	29,000	26,500	4.2	3.8	120,900	101,700
Morrison	95,500	90,000	2.2	2.4	207,500	217,000
Renville	15,700	12,500	3.8	3.7	59,100	45,900
Scott	25,300	22,500	4.6	3.7	117,100	83,300
Sherburne	21,500	20,500	2.6	2.5	56,800	51,100
Sibley	25,100	22,000	4.5	4.1	113,900	91,000
Stearns	147,500	149,000	3.3	3.3	486,400	496,300
Todd	96,000	99,000	2.6	2.7	249,600	267,100
Wadena	46,700	44,500	1.9	2.4	87,900	106,600
Wright	55,300	51,500	3.7	3.4	202,100	176,900
Total	704,500	679,800	3.2	3.2	2,254,300	2,152,900

Table 25 -- ALL HAY: Minnesota Acreage, Yield, and Production, by County (continued)

District and county	Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979
	Acres		Tons		Tons	
East Cent. Dist. (6)						
Aitkin	55,300	62,000	1.5	1.8	81,700	109,000
Anoka	18,500	18,000	2.4	2.2	43,500	40,000
Carlton	46,500	42,500	1.8	2.0	84,700	86,900
Chisago	26,800	27,500	3.3	3.1	87,800	84,500
Crow Wing	31,000	32,000	1.7	2.3	51,900	74,200
Hennepin	29,200	25,000	3.4	2.8	99,200	70,600
Isanti	23,000	20,500	3.2	2.7	74,200	55,500
Kanabec	42,700	40,000	2.8	2.7	117,700	106,800
Mille Lacs	40,000	41,000	2.8	2.8	113,200	113,200
Pine	81,000	81,500	2.0	2.1	165,800	172,800
Ramsey	1,300	1,700	2.1	2.1	2,700	3,500
Washington	23,600	22,500	2.8	2.9	67,200	64,600
Total	418,900	414,200	2.4	2.4	989,600	981,600
Southwest Dist. (7)						
Cottonwood	13,600	11,800	3.3	4.3	44,400	50,200
Jackson	12,300	13,000	3.9	4.1	47,900	56,300
Lincoln	27,300	29,200	3.1	4.2	85,200	123,000
Lyon	25,200	24,700	3.6	4.3	91,600	106,900
Murray	24,000	24,500	3.7	4.0	88,800	98,400
Nobles	22,200	21,500	3.5	4.6	78,700	99,400
Pipestone	23,900	26,200	2.9	4.1	70,100	108,100
Redwood	13,700	14,000	3.6	4.5	49,000	62,600
Rock	21,100	19,500	3.2	4.1	68,300	79,200
Total	183,300	184,400	3.4	4.3	624,000	784,100
South Cent. Dist. (8)						
Blue Earth	11,900	8,300	4.9	4.4	57,900	36,800
Brown	19,100	19,200	4.3	4.2	82,900	80,400
Faribault	8,500	8,500	4.2	3.8	36,100	32,700
Freeborn	19,000	17,000	3.7	3.8	71,200	65,200
LeSueur	30,100	27,000	4.3	3.4	128,100	90,800
Martin	14,700	14,100	4.6	4.3	68,100	60,600
Nicollet	11,100	11,500	3.7	3.3	41,600	37,900
Rice	37,000	34,500	3.8	3.4	139,300	118,600
Steele	18,100	16,700	4.1	3.5	73,500	57,700
Waseca	10,600	9,800	3.9	3.9	41,500	37,800
Watonswan	8,800	8,000	4.3	4.1	37,500	32,500
Total	188,900	174,600	4.1	3.7	777,700	651,000
Southeast Dist. (9)						
Dakota	23,000	24,400	3.9	3.7	89,100	89,500
Dodge	24,800	23,300	4.4	4.1	108,600	96,000
Fillmore	83,100	82,500	3.7	3.5	307,200	291,600
Goodhue	69,200	71,000	3.8	3.7	263,500	260,900
Houston	56,500	59,000	4.1	3.9	233,200	232,100
Mower	22,500	22,300	3.7	3.8	83,700	85,100
Olmsted	53,700	53,300	4.3	4.0	229,600	212,500
Wabasha	49,300	53,300	4.1	3.9	200,400	209,900
Winona	68,400	69,000	3.9	3.7	265,100	254,600
Total	450,500	458,100	4.0	3.8	1,780,400	1,732,200
STATE TOTAL	3,060,000	3,010,000	2.9	3.0	8,932,000	9,030,000

Table 26 - ALFALFA HAY: Minnesota Acreage, Yield, and Production, by County

District and County	Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979
	Acres		Tons		Tons	
Northwest Dist. (1)						
Becker	46,000	51,000	2.5	2.7	115,300	137,700
Clay	19,500	21,000	3.0	3.1	58,500	65,100
Clearwater	23,000	28,000	2.5	2.4	57,500	67,200
Kittson	18,500	17,500	1.7	2.2	31,300	38,500
Mahnomen	18,500	18,500	2.5	2.8	46,300	51,800
Marshall	36,000	30,000	2.2	2.3	78,800	69,000
Norman	22,500	19,000	2.6	3.0	57,600	57,000
Pennington	28,500	26,000	2.1	2.4	59,100	62,400
Polk	39,000	35,000	2.8	2.7	108,000	94,500
Red Lake	17,500	13,000	2.4	2.5	42,000	32,500
Roseau	43,000	47,000	2.6	2.3	111,800	103,100
Total	312,000	306,000	2.5	2.6	766,200	783,800
North Cent. Dist. (2)						
Beltrami	24,000	31,000	2.3	2.4	55,200	74,400
Cass	13,500	19,000	1.8	2.0	24,300	38,000
Hubbard	13,500	16,000	1.6	2.3	21,000	36,800
Itasca	11,000	14,000	2.1	2.3	23,000	32,200
Koochiching	9,000	8,000	1.7	2.2	15,500	17,600
Lake of the Woods	10,000	12,000	2.0	2.1	19,700	25,200
Total	81,000	100,000	2.0	2.2	158,700	224,200
Northeast Dist. (3)						
Cook	-	-	-	-	-	-
Lake	200	200	1.5	2.0	300	400
St. Louis	11,000	10,500	1.8	2.4	19,600	25,200
Total	11,200	10,700	1.8	2.4	19,900	25,600
West Cent. Dist. (4)						
Big Stone	8,500	8,000	3.5	3.7	29,800	29,600
Chippewa	7,300	7,500	3.4	3.8	24,900	28,500
Douglas	37,500	39,500	2.9	3.0	109,600	118,500
Grant	11,800	11,000	3.2	3.6	38,000	39,600
Lac Qui Parle	14,000	15,500	3.3	4.2	46,100	65,100
Otter Tail	132,000	132,000	2.7	3.2	352,900	422,400
Pope	30,000	29,000	3.6	3.7	108,400	107,300
Stevens	10,000	11,500	3.1	3.2	31,400	36,800
Swift	12,500	12,000	4.0	3.7	50,000	44,400
Traverse	5,500	7,000	2.9	3.4	16,000	23,800
Wilkin	8,000	9,000	2.4	2.9	19,500	26,100
Yellow Medicine	14,000	15,000	4.4	4.4	61,600	66,000
Total	291,100	297,000	3.1	3.4	888,200	1,008,100
Central Dist. (5)						
Benton	23,500	26,000	2.9	3.2	68,500	83,200
Carver	34,200	32,000	4.4	4.0	149,300	128,000
Kandiyohi	29,400	30,000	4.2	3.8	123,500	114,000
McLeod	27,400	23,000	5.0	4.9	137,000	112,700
Meeker	24,800	23,000	4.4	4.1	109,800	94,300
Morrison	51,000	50,000	2.5	2.9	128,500	145,000
Renville	14,000	11,000	4.0	3.9	56,000	42,900
Scott	22,000	19,500	4.9	3.9	108,500	76,100
Sherburne	15,000	15,000	3.0	2.6	45,700	39,000
Sibley	20,800	18,000	5.0	4.5	104,000	81,000
Stearns	118,500	121,000	3.6	3.5	429,400	423,500
Todd	67,000	74,000	2.8	2.9	189,200	214,600
Wadena	23,700	27,500	2.0	2.7	46,500	74,300
Wright	47,800	43,000	3.9	3.7	184,100	159,100
Total	519,100	513,000	3.6	3.5	1,880,000	1,787,700

Table 26 -- ALFALFA HAY: Minnesota Acreage, Yield, and Production, by County (continued)

District and County	Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979
	Acres		Tons		Tons	
East Cent. Dist. (6)						
Aitkin	10,300	12,000	1.7	2.0	17,000	24,000
Anoka	13,000	14,000	2.6	2.4	33,800	33,600
Carlton	11,500	13,000	2.1	2.6	23,700	33,800
Chisago	19,000	20,000	3.8	3.4	71,400	68,000
Crow Wing	11,500	14,000	2.2	2.6	25,200	36,400
Hennepin	24,200	21,000	3.7	3.0	89,700	63,000
Isanti	16,500	15,000	3.8	3.0	62,700	45,000
Kanabec	18,200	17,500	3.4	3.4	61,900	59,500
Mille Lacs	21,000	22,500	3.4	3.3	71,400	74,300
Pine	30,000	29,000	2.8	2.7	84,700	78,300
Ramsey	700	1,000	2.6	2.3	1,800	2,300
Washington	20,100	19,000	2.9	2.9	58,400	55,100
Total	196,000	198,000	3.1	2.9	601,700	573,300
Southwest Dist. (7)						
Cottonwood	11,600	10,000	3.6	4.7	41,800	47,000
Jackson	10,200	11,000	4.4	4.7	44,900	51,700
Lincoln	24,000	26,000	3.3	4.4	79,200	114,400
Lyon	21,700	21,500	3.9	4.6	84,600	98,900
Murray	22,000	21,500	3.9	4.2	84,800	90,300
Nobles	18,700	18,500	3.8	4.9	71,000	90,700
Pipestone	19,200	22,000	3.2	4.4	61,400	96,800
Redwood	12,300	12,500	3.8	4.7	46,700	58,800
Rock	15,700	14,500	3.8	4.6	59,700	66,700
Total	155,400	157,500	3.7	4.5	574,100	715,300
South Cent. Dist. (8)						
Blue Earth	10,400	7,000	5.3	4.9	55,100	34,300
Brown	17,500	18,000	4.5	4.3	79,400	77,400
Faribault	6,900	7,000	4.7	4.2	32,300	29,400
Freeborn	15,600	14,500	3.9	4.0	61,600	58,000
LeSueur	27,500	24,500	4.4	3.5	122,000	85,800
Martin	12,500	12,000	5.1	4.7	63,300	56,400
Nicollet	9,000	10,000	4.1	3.5	37,200	35,000
Rice	32,500	31,000	4.0	3.6	128,400	111,600
Steele	16,600	15,000	4.2	3.6	69,700	54,000
Waseca	9,100	8,800	4.2	4.0	38,500	35,200
Watsonwan	6,700	6,500	5.0	4.6	33,700	29,900
Total	164,300	154,300	4.4	3.9	721,200	607,000
Southeast Dist. (9)						
Dakota	18,500	19,000	4.4	3.8	80,700	72,200
Dodge	22,300	20,500	4.6	4.3	102,300	88,200
Fillmore	77,600	76,500	3.8	3.6	292,900	275,400
Goodhue	63,000	65,000	3.9	3.7	248,000	240,500
Houston	52,000	54,000	4.2	3.9	220,600	210,600
Mower	20,500	20,000	3.8	3.9	77,500	78,000
Olmsted	47,500	46,500	4.4	4.1	209,000	190,700
Wabasha	46,500	50,000	4.1	4.0	191,000	200,000
Winona	62,000	62,000	3.9	3.7	244,000	229,400
Total	409,900	413,500	4.1	3.8	1,666,000	1,585,000
STATE TOTAL	2,140,000	2,150,000	3.4	3.4	7,276,000	7,310,000

Table 27 - POTATOES: Minnesota Acreage, Yield, and Production, by Principal Counties

District and county	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
	Acres		Acres		Cwt.		Cwt.	
Northwest Dist. (1)								
Becker	500	1,600	500	1,600	300	310	150,000	496,000
Clay	7,600	8,600	7,400	8,400	210	170	1,554,000	1,428,000
Kittson	6,500	4,800	6,300	4,700	160	155	1,008,000	728,500
Marshall	12,500	11,600	11,700	10,900	180	165	2,106,000	1,798,500
Norman	2,000	1,600	1,900	1,600	155	140	294,500	224,000
Polk	24,100	23,400	23,600	22,700	190	170	4,484,000	3,859,000
Red Lake	1,300	1,500	1,300	1,500	230	165	299,000	247,500
Other Counties	500	500	500	500	209	158	104,500	79,000
Total	55,000	53,600	53,200	51,900	188	171	10,000,000	8,860,500
North Cent. Dist. (2)								
Hubbard	2,600	2,100	2,600	2,000	350	350	910,000	700,000
Lake of the Woods	600	600	600	600	210	190	126,000	114,000
Other Counties	400	400	400	400	310	198	124,000	79,000
Total	3,600	3,100	3,600	3,000	322	298	1,160,000	893,000
Northeast Dist. (3)								
Total	100	200	100	200	200	160	20,000	32,000
West Cent. Dist. (4)								
Otter Tail	2,600	2,600	2,600	2,500	350	255	910,000	637,500
Pope	1,200	1,400	1,200	1,400	300	255	360,000	357,000
Wilkin	1,000	400	1,000	400	215	165	215,000	66,000
Other Counties	400	---	400	---	208	---	83,000	---
Total	5,200	4,400	5,200	4,300	302	247	1,568,000	1,060,500
Central Dist. (5)								
Sherburne	5,400	4,000	5,300	3,900	285	305	1,510,500	1,189,500
Stearns	900	900	900	900	300	240	270,000	216,000
Todd	1,900	1,400	1,800	1,400	230	275	414,000	385,000
Other Counties	1,200	1,500	1,200	1,500	257	230	308,000	345,000
Total	9,400	7,800	9,200	7,700	272	277	2,502,500	2,135,500
East Cent. Dist. (6)								
Anoka	400	500	400	500	190	265	76,000	132,500
Hennepin	600	700	600	700	290	270	174,000	189,000
Isanti	300	600	300	600	265	275	79,500	165,000
Other Counties	400	700	400	700	238	177	95,000	124,000
Total	1,700	2,500	1,700	2,500	250	244	424,500	610,500
Southwest Dist. (7)								
Total	200	---	200	---	200	---	40,000	---
South Cent. Dist. (8)								
Freeborn	4,200	4,000	4,100	3,900	240	240	984,000	936,000
Steele	500	400	500	400	250	220	125,000	88,000
Other Counties	100	200	100	200	240	300	24,000	60,000
Total	4,800	4,600	4,700	4,500	241	241	1,133,000	1,084,000
Southeast Dist. (9)								
Total	100	200	100	200	220	200	22,000	40,000
STATE TOTAL	80,100	76,400	78,000	74,300	216	198	16,870,000	14,716,000

Table 28 -- SUGARBEETS: Minnesota Acreage, Yield, and Production, by Principal Counties

District and county	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
	<u>Acres</u>		<u>Acres</u>		<u>Tons</u>		<u>Tons</u>	
<u>Northwest Dist. (1)</u>								
Clay	45,700	42,200	45,700	41,900	18.9	15.5	865,400	648,600
Kittson	12,300	10,400	12,300	10,400	17.4	14.7	213,600	153,100
Marshall	21,600	17,800	21,500	17,700	17.6	14.7	377,700	260,500
Norman	21,800	19,700	21,800	19,700	21.0	16.6	457,500	326,900
Polk	78,000	72,700	78,000	72,300	20.1	16.3	1,566,000	1,179,400
<u>West Cent. Dist. (4)</u>								
Chippewa	17,800	18,200	17,500	16,900	18.0	16.1	315,300	271,400
Grant	4,500	5,400	4,200	5,300	16.6	13.4	69,900	71,100
Swift	3,800	3,700	3,700	3,500	14.6	16.5	54,200	57,800
Traverse	5,200	4,700	5,000	4,600	15.2	14.7	76,100	67,700
Wilkin	23,100	22,800	23,000	22,600	17.6	14.6	405,700	329,300
<u>Selected Counties</u>								
Kandiyohi	2,300	2,300	2,200	2,200	19.1	15.7	42,000	34,600
Renville	22,000	22,400	21,800	21,400	19.2	14.3	417,700	305,000
Redwood	2,000	1,800	1,800	800	18.5	12.4	33,300	9,900
Faribault	1,700	1,800	1,600	1,800	17.4	11.4	27,800	20,500
<u>All Other Counties</u>	3,200	3,100	2,900	2,900	16.8	15.9	48,800	46,200
STATE TOTAL	265,000	249,000	263,000	244,000	18.9	15.5	4,971,000	3,782,000



Photos courtesy THE LAND Magazine, Mankato, Minn.

Table 29 - FLAX: Minnesota Acreage, Yield, and Production, by Principal Counties

District and county	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)	<u>Acreage</u>		<u>Acreage</u>		<u>Bushels</u>		<u>Bushels</u>	
Becker	1,500	3,000	1,500	2,900	14.5	14.5	21,800	42,100
Clay	4,000	3,000	3,900	2,900	15.0	15.0	58,500	43,500
Clearwater	2,000	2,200	2,000	2,100	13.0	13.5	26,000	28,400
Kittson	5,000	5,000	4,900	4,800	15.5	14.8	76,000	67,200
Mahnomen	1,500	600	1,500	600	14.5	15.0	21,800	9,000
Marshall	9,500	12,000	9,300	11,000	16.5	13.5	153,500	148,500
Norman	1,000	1,000	1,000	1,000	14.5	14.5	14,500	14,500
Pennington	9,000	6,800	8,600	6,000	14.0	13.0	120,400	78,000
Polk	5,000	8,000	4,900	7,100	14.0	14.0	68,600	99,400
Red Lake	2,000	1,300	1,900	1,200	13.5	13.5	25,600	16,200
Roseau	36,700	48,500	35,600	46,700	16.1	12.5	574,800	583,800
Total	77,200	91,400	75,100	86,300	15.5	13.1	1,161,500	1,130,600
North Cent. Dist. (2)								
Total	5,500	8,200	5,400	8,100	14.8	16.5	79,900	134,000
West Cent. Dist. (4)								
Big Stone	2,700	6,000	2,700	5,800	16.0	17.5	43,200	101,500
Douglas	3,500	4,000	3,400	3,900	14.5	15.0	49,300	58,500
Grant	3,000	3,100	2,900	3,000	14.0	15.0	40,600	45,000
Lac Qui Parle	2,500	2,100	2,500	2,000	16.0	18.5	40,000	37,000
Otter Tail	2,700	4,000	2,700	3,800	14.5	17.0	39,200	64,600
Traverse	3,200	5,800	3,100	5,600	15.0	17.0	46,500	95,200
Wilkin	1,700	2,000	1,700	1,900	15.5	16.5	26,400	31,400
Yellow Medicine	1,200	1,600	1,200	1,600	16.0	18.0	19,200	28,800
Other Counties	4,500	2,300	4,500	2,300	15.6	16.7	70,000	38,500
Total	25,000	30,900	24,700	29,900	15.2	16.7	374,400	500,500
Southwest Dist. (7)								
Lincoln	19,000	14,500	18,700	14,100	16.5	17.0	308,600	239,700
Lyon	1,700	800	1,700	800	16.0	15.0	27,200	12,000
Murray	1,400	1,000	1,400	1,000	16.0	12.0	22,400	12,000
Pipestone	12,000	11,500	11,800	11,100	15.5	15.0	182,900	166,500
Other Counties	500	100	500	100	15.8	15.0	7,900	1,500
Total	34,600	27,900	34,100	27,100	16.1	15.9	549,000	431,700
All Other Counties	2,700	1,600	2,700	1,600	13.4	13.9	36,200	22,200
STATE TOTAL	145,000	160,000	142,000	153,000	15.5	14.5	2,201,000	2,219,000

Table 30 - RYE: Minnesota Acreage, Yield, and Production, by Principal Counties

District and county	Acreage planted		Acreage harvested		Yield per harvested acre		Production	
	1978	1979	1978	1979	1978	1979	1978	1979
	Acres		Acres		Bushels		Bushels	
Northwest Dist. (1)								
Clay	2,200	2,000	2,100	1,900	32.0	30.0	67,200	57,000
Kittson	2,200	2,600	1,900	2,500	32.5	31.0	61,800	77,500
Mahnomen	2,000	1,800	1,800	1,700	29.0	31.0	52,200	52,700
Marshall	4,500	3,200	3,800	3,100	31.0	30.0	117,800	93,000
Norman	2,200	1,900	2,100	1,800	32.0	29.0	67,200	52,200
Pennington	1,700	1,300	1,600	1,200	32.0	27.0	51,200	32,400
Polk	4,200	5,000	3,800	4,900	33.0	32.0	125,400	156,800
Red Lake	1,400	1,000	1,300	1,000	30.0	28.0	39,000	28,000
Roseau	5,000	1,500	4,600	1,400	33.0	30.0	151,800	42,000
Other Counties	1,100	2,000	900	1,900	29.3	26.5	26,400	50,300
Total	26,500	22,300	23,900	21,400	31.8	30.0	760,000	641,900
North Cent. Dist. (2)								
Total	1,500	2,200	1,100	1,400	23.8	25.9	26,200	36,200
Northeast Dist. (3)								
Total	300	200	100	100	25.0	26.0	2,500	2,600
West Cent. Dist. (4)								
Big Stone	3,100	3,500	2,900	3,300	23.0	26.0	66,700	85,800
Douglas	2,400	1,500	2,000	1,400	18.0	22.0	36,000	30,800
Otter Tail	5,100	4,000	4,600	3,700	20.0	23.0	92,000	85,100
Pope	3,000	1,000	2,100	900	16.0	23.0	33,600	20,700
Stevens	1,200	1,000	800	900	17.0	26.0	13,600	23,400
Swift	1,500	1,500	1,200	1,400	17.0	24.0	20,400	33,600
Traverse	1,900	2,000	1,400	1,800	24.0	27.0	33,600	48,600
Other Counties	3,100	2,900	2,600	2,400	22.7	25.6	58,900	61,500
Total	21,300	17,400	17,600	15,800	20.2	24.7	354,800	389,500
Central Dist. (5)								
Benton	3,100	2,800	2,800	2,600	23.0	23.0	64,400	59,800
Kandiyohi	2,200	1,400	1,900	1,200	23.0	25.0	43,700	30,000
Meeker	1,700	1,500	1,600	1,400	23.0	25.0	36,800	35,000
Morrison	1,500	3,500	1,300	3,200	23.0	20.0	29,900	64,000
Sherburne	12,800	14,000	10,700	13,700	22.0	22.0	235,400	301,400
Stearns	6,200	4,300	4,800	4,100	23.0	19.0	110,400	77,900
Wright	2,600	3,000	2,100	2,500	21.0	23.0	44,100	57,500
Other Counties	4,200	5,000	3,400	4,300	23.5	24.1	79,900	103,600
Total	34,300	35,500	28,600	33,000	22.5	22.1	644,600	729,200
East Cent. Dist. (6)								
Anoka	6,800	3,000	6,400	2,300	22.0	23.0	140,800	52,900
Chisago	3,900	4,000	2,900	3,400	20.0	25.0	58,000	85,000
Isanti	5,400	4,800	5,000	4,500	21.0	27.0	105,000	121,500
Other Counties	4,500	3,200	3,500	2,300	21.0	24.3	73,600	55,800
Total	20,600	15,000	17,800	12,500	21.2	25.2	377,400	315,200
Southwest Dist. (7)								
Lincoln	2,200	2,500	2,100	2,300	18.0	22.0	37,800	50,600
Other Counties	3,400	1,600	2,700	1,600	20.7	16.3	55,900	24,900
Total	5,600	4,100	4,800	3,900	19.5	21.9	93,700	75,500
South Cent. Dist. (8)								
Total	1,900	1,800	1,800	1,600	21.1	25.3	38,000	40,500
Southeast Dist. (9)								
Total	3,000	1,500	2,300	1,300	23.8	26.5	54,800	34,400
STATE TOTAL	115,000	100,000	98,000	91,000	24.0	25.0	2,352,000	2,275,000

MINNESOTA'S WILD RICE INDUSTRY

(Information Provided by the Minnesota Wild Rice Growers' Association)

One of Minnesota's newest agricultural crops has actually been around for over 500 years.

It wasn't until increased demand in the late 1950's generated an interest in large-scale production that man-made paddies were built and, with the help of the University of Minnesota's Agricultural Experiment Station and Extension Service, Minnesota's paddy wild rice industry began.

Wild rice can be grown on swampland where no other crop can be grown. Paddy development provides excellent breeding grounds and habitat for waterfowl and other wildlife.

About 95% of the nation's commercial wild rice paddies are located in Minnesota. Most wild rice is grown in the north central area of Minnesota. While some wild rice is produced in natural stands, the paddies outproduce the stands by about 3 to 1 -- but there are no differences in food value between the two. (State law provides that wild rice grown in public waters must be hand-harvested.)

***** 1979 PADDY WILD RICE STATISTICS *****

The '79 paddy wild rice crop was produced from about 14,000 acres. This compares with 12,000 in 1978.

Production from these paddies totaled 2,150,000 pounds of processed wild rice, up 22% from the '78 crop.

Producers averaged \$4.50/pound for their processed wild rice. That puts value of the 1979 paddy wild rice crop at \$9.7 million, up 22% from 1978.

In addition, the Minnesota Department of Natural Resources estimates that 1979 wild rice production from natural stands totaled 400,000 pounds of processed grain.



**AN AERIAL VIEW OF WILD RICE FIELDS
IN CLEARWATER COUNTY.**



WILD RICE HARVEST IN AITKIN COUNTY.

*Photos courtesy of University of Minnesota's Dept. of Agronomy
and Plant Genetics.*

SECTION III Livestock, Dairy, & Poultry

Livestock

Cattle numbers on Minnesota farms on January 1, 1980 were up 3 percent from a year earlier and sheep and lamb numbers were up 4 percent. The inventory of all hogs on December 1, 1979 was up 20 percent from a year ago. December 1, 1979 all chickens on farms totaled 5 percent more than in 1978.

The combined value of all livestock and poultry on Minnesota farms was \$2,472 million, a 17-percent increase from last year's \$2,108 million. All cattle and calves, valued at \$2,137.5 million, were 26 percent more than a year earlier. The value of hogs on hand December 1, 1979 accounted for \$289 million, down 22 percent; chickens, \$18.8 million, up 5 percent; and all sheep and lambs, \$18.3 million, up 28 percent.

The number of operations with sheep and milk cows remained unchanged while operations with cattle declined 2,000. Those with hogs, however, increased 2,000 during the year (see table 5, page 3).

Honey producers enjoyed a good year with a 99-pound output per colony, the highest since 1973. Individual yields varied widely in the state depending on the area and weather conditions. Producers received an average of 54.3 cents per pound for honey, highest on record, and \$1.89 per pound for beeswax, highest in recorded history. Detailed honey data appears on page 66.

Table 31 - Minnesota Livestock and Poultry

Class	Number on farms			Value per head			Total farm value		
	1978	1979	1980	1978	1979	1980	1978	1979	1980
	Thousand head			Dollars			Thousand dollars		
All Cattle, January 1.....	3,700	3,650	3,750	280.00	465.00	570.00	1,036,000	1,697,250	2,137,500
<i>Total Cows that have Calved..</i>	1,400	1,380	1,420	--	--	--	--	--	--
Beef Cows.....	550	530	560	--	--	--	--	--	--
Milk Cows.....	850	850	860	--	--	--	--	--	--
<i>Total Heifers 500 Pounds+...</i>	724	686	740	--	--	--	--	--	--
Beef Replacement.....	93	93	103	--	--	--	--	--	--
Milk Replacement.....	329	333	390	--	--	--	--	--	--
Other.....	302	260	246	--	--	--	--	--	--
<i>Steers, 500 Pounds+.....</i>	629	637	648	--	--	--	--	--	--
<i>Bulls, 500 Pounds+.....</i>	48	44	50	--	--	--	--	--	--
<i>Steers, Heifers, Bulls.....</i>				--	--	--	--	--	--
Under 500 Pounds.....	899	903	908	--	--	--	--	--	--
All Hogs and Pigs, December 1 ^{1/}	4,000	4,100	4,300	64.00	90.50	59.00	256,000	371,050	289,100
All Sheep and Lambs, January 1.	255	255	264	40.00	56.00	69.50	10,200	14,280	18,348
<i>Stock Sheep.....</i>	203	210	217	--	--	--	--	--	--
Ewes, 1 Year+.....	160	160	164	--	--	--	--	--	--
Ewe Lambs.....	30	38	39	--	--	--	--	--	--
Wethers and Rams, 1 Year+..	7	4	9	--	--	--	--	--	--
Wethers and Ram Lambs.....	6	8	9	--	--	--	--	--	--
<i>Sheep and Lambs on Feed.....</i>	52	45	47	--	--	--	--	--	--
All Chickens, December 1 ^{1/}	12,410	11,920	12,500	1.75	1.50	1.50	21,718	17,880	18,750
<i>Hens and Pullets of Laying Age.....</i>	9,500	9,300	9,500	--	--	--	--	--	--
<i>Pullets 3 Months Old+, Not of Laying Age.....</i>	1,320	1,135	1,125	--	--	--	--	--	--
<i>Pullets Under 3 Months.....</i>	1,460	1,370	1,750	--	--	--	--	--	--
<i>Other Chickens.....</i>	130	115	125	--	--	--	--	--	--
Turkey Breeder Hens, December 1 ^{1/}	480	593	633	10.70	13.50	12.80	5,136	8,006	8,102
TOTAL.....	--	--	--	--	--	--	1,329,054	2,108,466	2,471,800

1/ December 1 preceding year.

Table 32 -- Minnesota Cattle and Calves

Year	On farms, January 1			Calves born	Marketings 1/	Price per 100 lbs.		Cash 2/ receipts	Gross income 3/
	All cattle	All cows that have calved	Milk cows that have calved			Cattle	Calves		
	1,000 head			1,000 head	1,000 lbs.	Dollars		1,000 dollars	1,000 dollars
1975	4,430	1,625	886	1,596	1,866,140	31.10	25.80	578,661	623,127
1976	4,430	1,641	890	1,450	2,099,925	31.60	33.40	664,297	714,175
1977	4,000	1,520	880	1,390	2,050,685	31.60	38.80	650,552	684,684
1978	3,700	1,400	850	1,280	1,706,285	43.50	58.20	745,689	793,105
1979	3,650	1,380	850	1,330	1,596,865	58.90	81.90	946,153	987,989
1980	3,750	1,420	860	---	---	---	---	---	---

1/ Excludes interfarm sales.

2/ Includes receipts from marketing and from sales of farm slaughtered meat.

3/ Includes value of home consumption on farms.

Geographic Distribution of Cattle, Minnesota, January 1, 1980

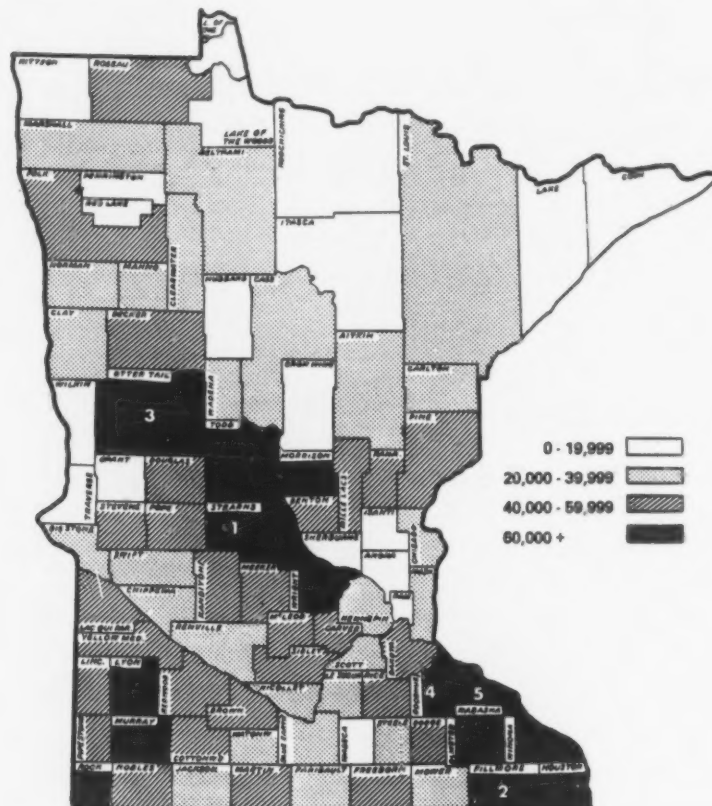




Photo courtesy AGRI-NEWS, Rochester, Minn.

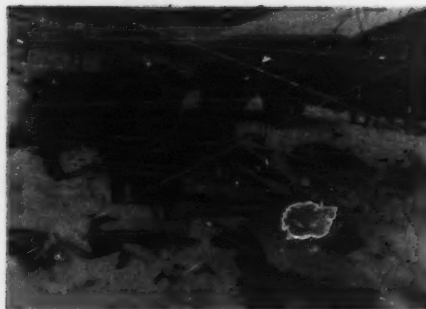


Photo courtesy AGRI-NEWS, Rochester, Minn.



Table 33 -- Minnesota Cattle and Calves on Feed by Quarters

Year and quarter	Classes				Weight groups 1/			
	Number	Steers and steer calves	Heifers & heifer calves	Other	Under 500 lbs.	500-699 lbs.	700-899 lbs.	900 lbs. and over
	----- 1,000 head -----				----- 1,000 head -----			
1975: January 1...	380	262	118	0	55	85	107	133
April 1....	325	228	94	3	30	106	89	97
July 1.....	275	190	85	0	11	81	114	69
October 1...	290	199	90	1	14	61	117	97
1976: January 1...	430	267	159	4	72	107	134	113
April 1....	390	250	140	0	18	145	120	107
July 1.....	345	214	131	0	10	62	163	110
October 1...	285	185	100	0	14	60	92	119
1977: January 1...	340	211	126	3	72	99	91	75
April 1....	360	238	122	0	25	148	92	95
July 1.....	340	204	135	1	16	78	151	94
October 1...	300	189	108	3	18	69	109	101
1978: January 1...	400	248	148	4	99	120	93	84
April 1....	400	244	156	0	31	169	121	79
July 1.....	330	211	119	0	9	66	170	85
October 1...	280	190	90	0	16	48	99	117
1979: January 1...	400	256	140	4	45	124	119	108
April 1....	340	228	112	0	20	143	91	86
July 1.....	320	208	112	0	6	49	165	100
October 1...	265	186	79	0	7	24	89	145
1980: January 1...	390	253	135	2	48	112	95	133
April 1....	400	268	132	0	18	149	122	111

1/ "Other" class not included in "Weight groups."

Table 34 -- Minnesota Cattle and Calves, Sheep and Lambs, January 1, by County

District and County	All cattle and calves		Cattle & calves on feed		All stock sheep & lambs	
	1979	1980	1979	1980	1979	1980
Northwest Dist. (1)	Number		Number		Number	
Becker	46,500	47,900	1,400	1,300	3,800	3,900
Clay	28,600	28,800	3,000	2,600	1,900	1,700
Clearwater	29,700	29,900	1,100	1,100	5,000	5,000
Kittson	17,800	16,300	400	300	4,200	3,800
Mahnomen	21,200	22,000	1,300	1,200	900	1,000
Marshall	31,300	33,900	1,200	1,300	8,000	8,700
Norman	27,100	27,900	1,200	1,300	1,800	2,000
Pennington	17,900	17,400	1,100	1,200	2,200	2,500
Polk	59,000	56,000	3,400	3,500	5,600	6,300
Red Lake	16,400	15,200	500	400	1,600	1,900
Roseau	42,000	43,200	1,100	900	10,500	10,500
Total	337,500	338,500	15,700	15,100	45,500	47,300
North Cent. Dist. (2)						
Beltrami	26,800	29,400	1,000	1,200	2,600	2,300
Cass	21,900	24,600	500	400	1,900	1,800
Hubbard	15,900	15,100	600	500	3,300	3,300
Itasca	18,900	18,000	300	300	400	400
Koochiching	6,700	6,500	-	100	600	600
Lake of the Woods	11,500	12,700	-	100	500	500
Total	101,700	106,300	2,400	2,600	9,300	8,900
Northeast Dist. (3)						
Cook	300	300	-	-	-	-
Lake	600	500	-	-	100	100
St. Louis	19,800	20,400	300	400	700	600
Total	20,700	21,200	300	400	800	700
West Cent. Dist. (4)						
Big Stone	26,000	23,600	2,900	2,800	1,200	1,300
Chippewa	19,200	22,000	7,000	7,300	1,600	1,700
Douglas	46,700	48,000	1,100	1,300	2,400	2,500
Grant	17,900	18,000	4,200	4,100	700	600
Lac Qui Parle	46,200	45,600	8,800	8,800	2,600	2,700
Otter Tail	128,900	134,100	5,200	5,000	7,600	8,300
Pope	50,900	50,400	2,900	3,000	1,200	1,400
Stevens	50,000	54,300	14,200	14,500	2,300	2,400
Swift	29,200	24,800	6,900	6,400	1,500	1,500
Traverse	12,900	14,800	2,100	2,400	3,000	3,200
Wilkin	11,400	11,700	400	300	700	800
Yellow Medicine	48,000	47,900	10,000	9,800	3,100	2,900
Total	487,300	495,200	65,700	65,700	27,900	29,300
Central Dist. (5)						
Benton	46,200	50,500	900	800	400	500
Carver	51,500	52,900	2,600	2,900	1,100	1,000
Kandiyohi	53,100	59,300	7,000	6,100	2,100	2,500
McLeod	48,300	46,900	2,400	2,000	1,500	1,400
Meeker	46,700	44,500	2,700	2,300	1,000	1,100
Morrison	76,900	86,000	1,200	1,400	1,800	1,600
Renville	35,700	34,000	8,400	7,200	3,200	3,700
Scott	33,100	33,500	2,100	2,200	600	500
Sherburne	17,800	16,800	1,500	1,400	1,200	1,400
Sibley	40,400	43,400	4,700	4,600	1,800	1,900
Stearns	163,100	166,300	6,400	5,500	1,400	1,400
Todd	84,500	88,700	1,300	1,400	2,400	2,200
Wadena	28,900	31,400	400	400	1,400	1,500
Wright	59,200	64,700	3,000	3,300	1,500	1,600
Total	785,400	818,900	44,600	41,500	21,400	22,300

Table 34 - Minnesota Cattle and Calves, Sheep and Lambs, January 1, by County (continued)

District and County	All cattle and calves		Cattle & calves on feed		All stock sheep & lambs	
	1979	1980	1979	1980	1979	1980
	Number		Number		Number	
East Cent. Dist. (6)						
Aitkin	27,500	25,500	100	100	1,400	1,500
Anoka	7,700	7,100	600	500	300	300
Carlton	22,000	23,100	300	400	500	500
Chisago	28,700	29,400	1,600	1,400	900	800
Crow Wing	15,000	14,200	200	200	1,500	1,300
Hennepin	23,100	24,300	700	800	300	300
Isanti	17,900	15,200	700	600	700	700
Kanabec	40,400	41,300	600	600	2,100	2,200
Millie Lacs	42,100	43,400	700	600	900	800
Pine	52,400	54,700	600	500	2,400	2,300
Ramsey	400	500	200	200	100	200
Washington	22,000	21,600	1,700	1,800	1,700	1,500
Total	299,200	300,300	8,000	7,700	12,800	12,400
Southwest Dist. (7)						
Cottonwood	55,300	57,300	16,600	16,800	3,900	4,400
Jackson	42,000	38,200	14,100	12,600	5,200	5,200
Lincoln	48,500	54,300	10,600	10,600	4,800	5,300
Lyon	82,600	74,800	20,800	18,700	3,200	3,700
Murray	72,900	75,100	17,900	17,900	5,100	5,400
Nobles	53,000	55,500	16,600	14,900	7,500	7,900
Pipestone	53,600	54,900	9,900	9,400	5,700	5,500
Redwood	47,500	53,100	16,600	17,100	1,600	1,900
Rock	65,200	68,100	20,700	18,500	3,500	3,300
Total	520,600	531,300	143,800	136,500	40,500	42,600
South Cent. Dist. (8)						
Blue Earth	31,500	31,200	7,900	7,700	2,000	2,200
Brown	40,600	42,400	7,500	7,400	1,700	1,800
Faribault	28,600	32,900	7,600	7,900	4,400	4,200
Freeborn	42,700	40,100	4,600	4,700	2,600	2,900
LeSueur	32,300	33,100	3,900	3,800	2,100	2,000
Martin	43,200	41,200	17,700	17,700	2,300	2,200
Nicollet	30,700	28,700	5,300	5,100	1,500	1,400
Rice	52,900	54,100	4,200	4,000	1,900	2,100
Steele	33,300	33,000	3,400	3,600	1,300	1,500
Waseca	17,000	19,500	3,000	3,200	1,500	1,700
Watsonwan	28,100	26,500	7,000	7,000	1,200	1,400
Total	380,900	382,400	72,100	72,100	22,500	23,400
Southeast Dist. (9)						
Dakota	39,300	41,700	5,700	5,500	1,400	1,300
Dodge	46,500	44,600	4,100	3,900	1,400	1,200
Fillmore	136,500	149,600	9,500	9,100	5,700	6,300
Goodhue	99,100	102,300	4,100	4,100	5,900	6,400
Houston	86,200	91,400	4,600	5,000	600	700
Mower	40,100	38,700	6,500	6,700	2,000	1,800
Olmsted	87,900	89,100	4,800	4,800	4,700	5,100
Wabasha	92,200	101,400	4,500	5,200	6,000	5,500
Winona	88,900	96,700	3,600	4,100	1,600	1,800
Total	716,700	755,500	47,400	48,400	29,300	30,100
STATE TOTAL	3,650,000	3,750,000	400,000	390,000	210,000	217,000

Table 35 - Minnesota Cows and Heifers that have Calved, January 1, by County

District and county	Beef cows		Milk cows	
	1979	1980	1979	1980
<u>Northwest Dist. (1)</u>		<u>Number</u>		<u>Number</u>
Becker	7,800	8,300	12,100	11,500
Clay	6,800	8,400	3,900	3,800
Clearwater	9,000	9,200	3,600	3,500
Kittson	7,100	6,100	1,000	800
Mahnomen	4,300	5,300	3,300	3,100
Marshall	9,100	9,500	3,400	3,600
Norman	7,300	7,700	3,700	3,900
Pennington	4,900	5,800	3,000	3,200
Polk	15,800	15,700	7,300	7,000
Red Lake	4,500	4,000	3,000	3,200
Roseau	12,100	13,600	4,600	4,900
Total	88,700	94,600	48,900	48,500
<u>North Cent. Dist. (2)</u>				
Beltrami	8,700	9,100	3,500	3,400
Cass	7,700	8,200	3,300	3,300
Hubbard	4,500	4,000	1,700	1,800
Itasca	4,800	4,600	1,200	1,200
Koochiching	2,300	2,200	500	400
Lake of the Woods	4,100	3,500	600	700
Total	32,100	31,600	10,800	10,800
<u>Northeast Dist. (3)</u>				
Cook	200	200	--	--
Lake	200	200	100	100
St. Louis	4,500	4,500	3,300	3,500
Total	4,900	4,900	3,400	3,600
<u>West Cent. Dist. (4)</u>				
Big Stone	5,600	5,200	2,400	2,300
Chippewa	3,100	2,900	2,700	2,800
Douglas	5,100	6,100	19,700	19,600
Grant	2,300	2,600	3,900	3,900
Lac Qui Parle	9,200	9,800	3,900	4,200
Otter Tail	19,500	21,500	41,100	43,700
Pope	6,300	6,700	13,100	12,500
Stevens	4,700	4,800	2,200	2,100
Swift	6,600	5,900	4,900	4,700
Traverse	2,900	3,300	1,200	1,200
Wilkin	2,700	2,900	1,900	2,000
Yellow Medicine	8,700	8,400	4,500	4,300
Total	76,700	80,100	101,500	103,300
<u>Central Dist. (5)</u>				
Benton	4,300	4,400	16,400	17,200
Carver	2,500	2,600	23,600	24,000
Kandiyohi	4,600	5,100	11,700	11,900
McLeod	2,400	2,200	21,600	21,900
Meeker	3,500	3,300	16,000	15,900
Morrison	7,100	6,600	32,100	33,100
Renville	3,600	2,900	5,500	5,400
Scott	2,200	2,400	12,500	11,900
Sherburne	2,800	2,500	4,200	4,100
Sibley	2,900	3,200	15,800	16,000
Stearns	9,400	10,300	72,200	73,400
Todd	8,700	8,900	31,200	32,700
Wadena	3,700	3,700	7,800	8,200
Wright	4,900	4,600	22,700	23,900
Total	62,600	62,700	293,300	299,600

Table 35 -- Minnesota Cows and Heifers that have Calved, January 1, by County (continued)

District and county	Beef cows		Milk cows	
	1979	1980	1979	1980
	Number	Number	Number	Number
East Cent. Dist. (6)				
Aitkin	6,600	8,200	5,100	4,900
Anoka	1,400	1,300	1,800	1,800
Carlton	3,800	4,300	5,900	6,000
Chisago	3,900	4,600	7,600	7,400
Crow Wing	2,100	1,900	4,600	4,600
Hennepin	1,900	2,200	7,300	7,600
Isanti	1,700	1,600	5,400	5,300
Kanabec	7,600	8,200	9,400	9,200
Mille Lacs	4,900	4,000	14,600	14,700
Pine	7,200	7,500	13,700	13,900
Ramsey	100	200	100	--
Washington	2,100	2,300	5,100	4,900
Total	43,300	44,300	80,600	80,300
Southwest Dist. (7)				
Cottonwood	6,600	7,800	3,500	3,700
Jackson	6,300	5,800	3,100	2,900
Lincoln	9,300	11,000	5,800	5,700
Lyon	10,500	12,300	5,200	5,400
Murray	9,500	9,900	7,900	8,000
Nobles	7,500	9,000	7,200	7,000
Pipestone	9,900	10,000	8,000	7,800
Redwood	6,300	6,700	5,700	5,800
Rock	11,000	11,300	6,600	6,700
Total	76,900	83,800	53,000	53,000
South Cent. Dist. (8)				
Blue Earth	3,600	4,600	3,700	4,100
Brown	2,400	2,600	12,200	12,300
Faribault	3,200	2,800	4,000	4,200
Freeborn	5,400	5,600	8,800	8,700
LeSueur	3,800	4,900	8,800	8,800
Martin	3,500	4,500	3,500	3,400
Nicollet	2,600	2,700	8,900	8,700
Rice	3,300	3,400	18,900	19,000
Steele	2,500	2,100	10,700	11,200
Waseca	2,400	2,800	6,800	7,000
Watsonwan	3,000	3,300	2,700	2,800
Total	35,700	39,300	89,000	90,200
Southeast Dist. (9)				
Dakota	3,100	3,600	10,000	9,700
Dodge	3,600	4,000	12,100	12,600
Fillmore	33,600	36,600	26,400	26,700
Goodhue	10,400	11,800	30,200	30,000
Houston	15,800	16,100	17,000	17,000
Mower	6,100	5,900	9,500	9,400
Olmsted	12,500	13,600	16,900	16,600
Wabasha	13,600	15,300	19,800	20,400
Winona	10,400	11,800	27,600	28,300
Total	109,100	118,700	169,500	170,700
STATE TOTAL	530,000	560,000	850,000	860,000

Geographic Distribution of Hogs, Minnesota, December 1, 1979

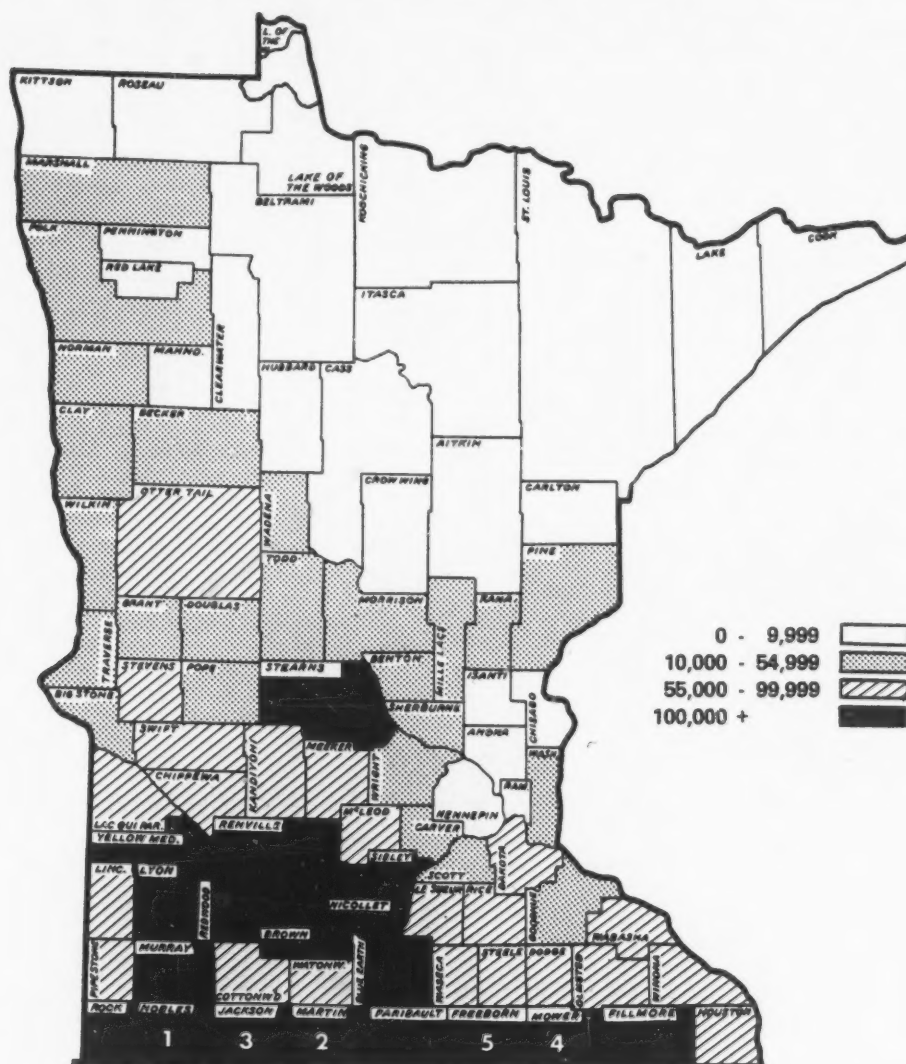


Table 36 - Minnesota Hog Production and Income

Year	Production ^{1/}	Marketings ^{2/}	Price per 100 lbs.	Cash receipts ^{3/}	Value of home consumption	Gross income
	Thousand pounds		Dollars	Thousand dollars		
1975	1,083,164	1,145,620	46.50	532,713	14,996	547,709
1976	1,185,367	1,088,545	42.60	463,720	19,596	483,316
1977	1,366,517	1,269,105	39.10	496,220	22,025	518,245
1978	1,439,837	1,394,135	46.70	651,061	17,260	668,321
1979	1,687,176	1,550,548	42.00	651,230	18,800	670,030

1/ Adjustments made for number shipped in and changes in inventory.

2/ Excludes interfarm sales.

3/ Includes receipts from marketings and sale of farm slaughtered meats.

Table 37 -- Minnesota Hogs and Pigs by Quarters

Year and quarter	Hogs and pigs	For breeding purposes	Market hogs and pigs				
			Under 60 lbs.	60-119 lbs.	120-179 lbs.	180-219 lbs. 1/	220 lbs. and over 1/
	<u>1,000 head</u>	<u>1,000 head</u>	<u>----- 1,000 head -----</u>				
1975: March.....	3,100	434	987	613	640	373	53
June.....	2,900	479	1,065	605	436	266	49
September..	2,800	420	1,047	559	405	309	60
December...	3,000	465	1,002	673	529	255	76
1976: March.....	3,000	465	1,077	540	558	309	51
June.....	3,280	558	1,320	694	408	245	55
September..	3,500	500	1,400	678	522	340	60
December...	3,600	558	1,354	760	530	292	106
1977: March.....	3,200	544	1,156	584	518	345	53
June.....	3,400	595	1,388	632	457	278	50
September..	3,800	575	1,506	755	532	367	65
December...	4,000	608	1,462	875	617	373	65
1978: March.....	3,700	581	1,323	692	639	465	
June.....	3,650	602	1,402	719	494	433	
September..	3,650	605	1,340	761	518	426	
December...	4,100	697	1,515	840	637	411	
1979: March.....	4,120	721	1,513	765	679	442	
June.....	4,500	788	1,726	910	575	501	
September..	4,600	760	1,785	920	655	480	
December...	4,900	784	1,634	1,153	856	473	
1980: March.....	4,950	742	1,843	922	862	581	

1/ Beginning with March 1978, 220 lbs. and over combined with 180-219 to make 180 lbs. and over.

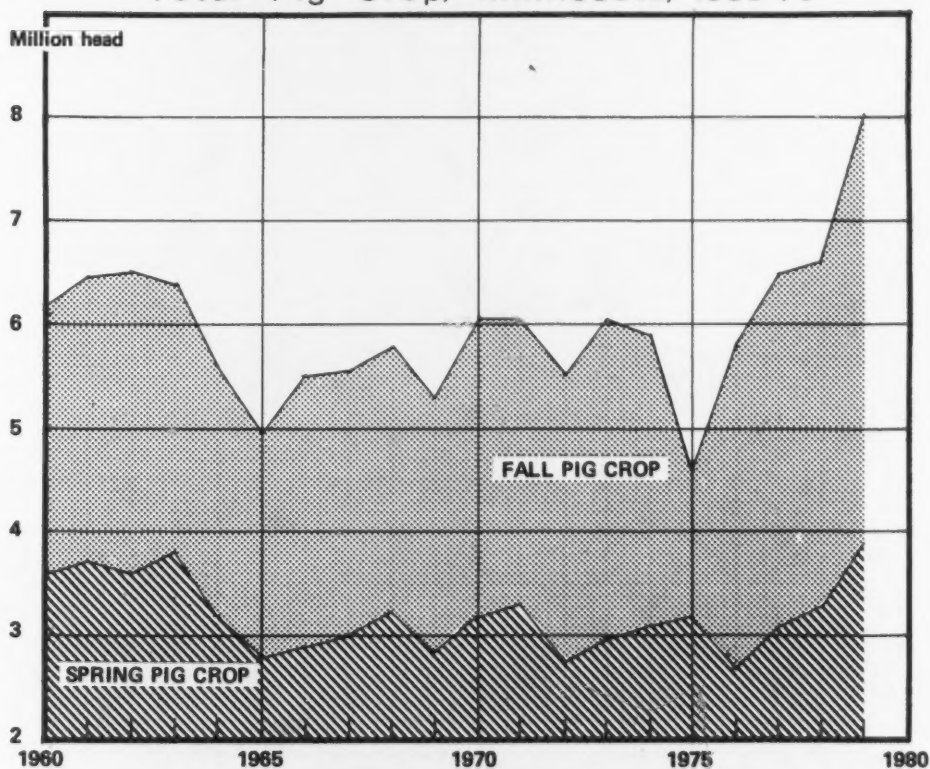


Table 38 -- Minnesota Sows Farrowed, Pig Crops, and Disposition

Year	Spring		Fall		Annual total		Inship-ments	Market-ings 1/	Farm slaughter	Deaths	All hogs on farms Dec. 1
	Sows farrowed	Pigs saved	Sows farrowed	Pigs saved	Sows farrowed	Pigs saved					
	Thousand head		Thousand head		Thousand head		----- Thousand head -----				
1975	310	2,232	320	2,353	630	4,585	192	5,067	50	360	3,000
1976	359	2,699	415	3,058	774	5,757	254	4,981	50	380	3,600
1977	420	3,105	465	3,393	885	6,498	219	5,831	51	435	4,000
1978	440	3,258	460	3,391	900	6,649	271	6,315	35	470	4,100
1979	540	3,905	560	4,101	1,100	8,006	254	5,288	42	530	4,200

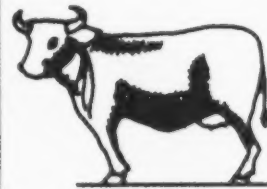
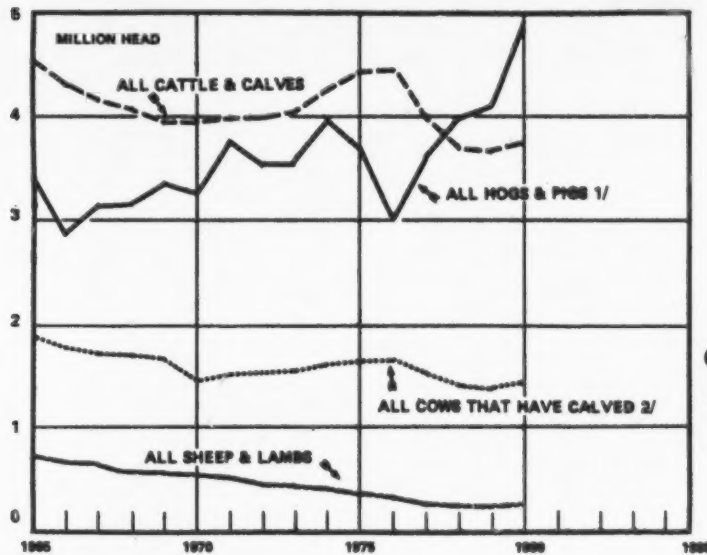
1/ Excludes interfarm sales.

Total Pig Crop, Minnesota, 1960-79



1/ Fall pig crop is for June to November; spring pig crop is for December (previous year) to May.

Livestock on Minnesota Farms, January 1



1/ DECEMBER 1 PRECEDING YEAR
2/ PRIOR TO 1970, "ALL COWS 2 YEARS & OLDER."

Minnesota Cattle and Hog Slaughter

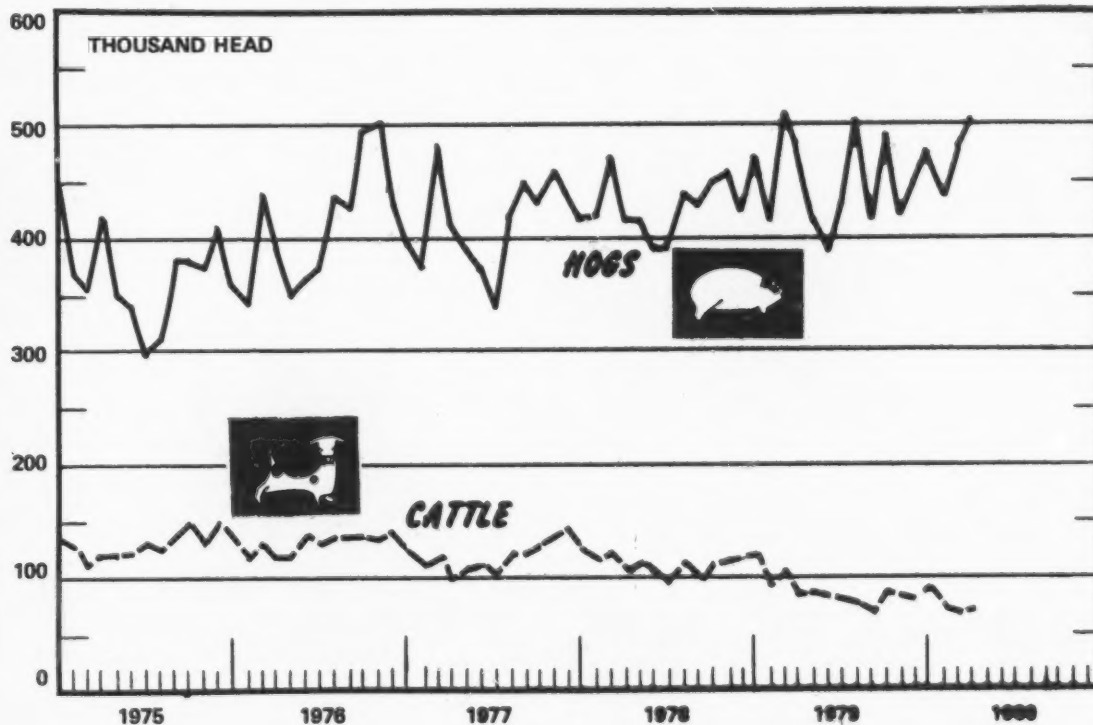


Table 39 - Minnesota Hogs and Pigs, December 1, by County

District and county	All hogs, December 1		Sows farrowed		Pig crop	
	1978	1979	1978	1979	1978	1979
Northwest Dist. (1)	Number	Number	Number	Number	Number	Number
Becker	9,500	10,200	3,300	4,500	22,800	32,100
Clay	12,300	13,200	3,000	3,900	20,700	27,800
Clearwater	3,400	3,400	1,700	1,800	11,700	11,400
Kittson	1,400	1,600	500	600	3,500	4,300
Mahnomen	4,600	4,600	2,600	3,400	18,000	24,300
Marshall	10,900	11,700	4,200	5,600	29,000	40,100
Norman	14,600	15,700	3,400	4,400	23,500	31,400
Pennington	7,000	6,800	2,700	2,500	18,600	17,800
Polk	9,600	10,800	3,300	4,300	22,800	30,700
Red Lake	2,900	3,000	1,000	1,300	6,900	9,300
Roseau	2,400	2,500	700	900	4,800	6,400
Total	78,600	83,500	26,400	33,000	182,300	235,600
North Cent. Dist. (2)						
Beltrami	4,100	6,100	3,500	4,500	28,400	34,900
Cass	5,000	7,500	2,100	2,100	16,900	16,300
Hubbard	4,200	6,300	2,000	2,500	16,100	19,400
Itasca	2,700	4,000	1,800	2,300	14,500	17,800
Koochiching	300	400	200	300	1,600	2,300
Lake of the Woods	600	900	500	600	4,000	4,700
Total	16,900	25,200	10,100	12,300	81,500	95,400
Northeast Dist. (3)						
Cook	--	--	--	--	--	--
Lake	--	--	--	--	--	--
St. Louis	500	700	200	200	1,500	1,500
Total	500	700	200	200	1,500	1,500
West Cent. Dist. (4)						
Big Stone	32,300	44,700	6,700	8,400	46,400	60,200
Chippewa	53,400	65,000	10,900	13,700	75,500	98,200
Douglas	22,400	29,300	9,000	9,300	62,300	66,700
Grant	21,900	22,800	4,800	6,000	33,200	43,000
Lac Qui Parle	52,800	75,000	10,700	14,200	74,100	101,800
Otter Tail	60,700	81,000	17,000	21,600	117,700	155,000
Pope	35,100	42,100	9,400	12,400	65,100	83,900
Stevens	60,000	66,100	11,500	14,400	79,700	103,200
Swift	50,000	62,500	8,300	11,300	57,500	81,000
Traverse	23,800	22,600	4,600	4,300	31,900	30,800
Wilkin	18,000	23,000	2,900	3,600	20,100	25,800
Yellow Medicine	94,000	109,600	16,500	20,700	114,300	148,400
Total	524,400	643,700	112,300	139,900	777,800	1,003,000
Central Dist. (5)						
Benton	17,100	20,000	9,600	12,600	76,100	90,300
Carver	34,200	33,800	10,200	10,000	80,800	71,700
Kandiyohi	61,300	64,600	11,800	15,200	93,500	109,000
McLeod	53,700	73,900	15,300	17,900	121,200	128,300
Meeker	62,800	89,000	17,100	22,300	135,500	159,900
Morrison	35,500	42,000	20,300	25,300	160,800	181,400
Renville	91,000	119,400	15,100	14,500	119,600	104,000
Scott	27,300	40,900	6,700	6,900	53,100	49,500
Sherburne	20,400	23,400	3,400	4,000	26,900	28,700
Sibley	113,600	141,400	22,900	29,900	181,500	214,400
Stearns	100,800	110,400	49,300	57,300	390,700	410,800
Todd	34,700	35,000	14,500	16,000	114,900	114,700
Wadena	21,500	24,100	6,800	8,500	53,900	60,900
Wright	44,200	51,100	13,000	15,600	103,000	111,800
Total	718,100	869,000	216,000	256,000	1,711,500	1,835,400

Table 39 -- Minnesota Hogs and Pigs, December 1, by County (continued)

District and county	All hogs, December 1		Sows farrowed		Pig crop	
	1978	1979	1978	1979	1978	1979
	Number	Number	Number	Number	Number	Number
East Cent. Dist. (6)						
Altkin	1,600	2,000	500	600	4,100	4,800
Anoka	8,700	9,200	1,100	1,400	9,000	11,100
Carlton	200	300	100	100	800	800
Chisago	8,000	8,200	2,600	3,200	21,300	25,500
Crow Wing	3,900	4,500	1,700	2,400	13,900	19,100
Hennepin	6,700	7,800	1,900	2,400	15,600	19,100
Isanti	5,100	6,700	2,300	2,900	18,800	23,100
Kanabec	8,700	11,700	2,800	3,500	22,900	27,900
Mille Lacs	11,800	14,200	4,200	6,200	34,400	41,400
Pine	8,300	11,000	3,400	4,300	27,800	34,200
Ramsey	1,400	1,500	100	100	800	800
Washington	8,400	10,400	900	1,000	7,400	8,000
Total	72,800	88,200	21,600	27,100	176,800	215,800
Southwest Dist. (7)						
Cottonwood	91,200	85,400	14,800	16,400	107,200	121,100
Jackson	144,000	168,300	23,300	27,800	168,800	205,300
Lincoln	59,600	57,200	14,700	14,700	106,500	108,600
Lyon	127,900	153,700	24,900	31,700	180,400	234,000
Murray	125,100	142,700	24,500	30,100	177,500	222,300
Nobles	154,400	181,300	27,500	31,400	199,400	231,900
Pipestone	67,700	69,400	16,000	19,700	115,900	145,500
Redwood	107,600	129,100	20,700	27,400	150,000	202,400
Rock	97,000	102,000	20,900	22,800	151,400	168,400
Total	974,500	1,089,100	187,300	222,000	1,357,100	1,639,500
South Cent. Dist. (8)						
Blue Earth	98,100	128,000	16,000	19,800	115,000	141,000
Brown	91,700	137,500	18,300	22,100	131,500	157,400
Faribault	120,900	141,600	23,600	30,500	169,600	217,200
Freeborn	143,300	160,500	31,500	34,100	226,400	242,800
LeSueur	68,000	82,600	12,200	16,100	87,700	114,600
Martin	145,800	176,400	28,000	38,100	201,300	271,300
Nicollet	95,000	118,800	12,600	16,900	90,600	120,300
Rice	77,000	94,200	14,000	17,800	100,600	126,800
Steele	60,300	81,400	11,600	16,400	83,400	116,800
Waseca	58,600	68,300	15,100	20,000	108,500	142,400
Watsonwan	68,100	91,700	11,600	14,800	83,400	105,400
Total	1,026,800	1,281,000	194,500	246,600	1,398,000	1,756,000
Southeast Dist. (9)						
Dakota	47,700	64,400	7,800	9,800	57,000	73,600
Dodge	52,200	69,600	8,300	10,500	60,700	78,900
Fillmore	140,200	168,400	31,400	39,700	229,700	298,300
Goodhue	51,700	53,300	12,900	14,800	94,300	111,200
Houston	72,600	71,700	19,700	24,000	144,100	180,300
Mower	143,800	164,300	18,600	22,500	136,000	169,000
Olmsted	51,200	69,600	11,000	13,900	80,500	104,400
Wabasha	70,100	92,600	11,200	14,200	81,900	106,700
Winona	57,900	75,500	10,700	13,500	78,300	101,400
Total	687,400	819,400	131,600	162,900	962,500	1,223,800
STATE TOTAL	4,100,000	4,900,000	900,000	1,100,000	6,649,000	8,006,000

Table 40 - Minnesota Sheep and Lambs

Year	On farms, January 1			Lambs saved	Marketings 1/	Cash receipts 2/	Gross income 3/
	Total all sheep and lambs	On feed for market	Stock (breeding) sheep				
	----- <u>Thousand head</u> -----			<u>Thousand head</u>		<u>Thousand dollars</u>	
1975	390	90	300	285	312	11,522	11,772
1976	315	70	245	237	241	9,874	10,154
1977	275	65	210	214	224	10,666	10,962
1978	255	52	203	200	182	10,776	11,160
1979	255	45	210	198	184	11,643	12,031
1980	264	47	217				

1/ Excludes interfarm sales.

2/ Includes receipts from marketings and from sales of farm slaughtered meat.

3/ Includes value of home consumption on farms.

Table 41 - Minnesota Wool

Year	Sheep shorn 1/	Production		Annual average price per pound 2/	Value
		Per fleece	Total		
	Thousand head	Pounds	Thousand pounds	Cents	Thousand dollars
1975	342	7.1	2,417	29	701
1976	300	7.4	2,231	50	1,116
1977	251	7.6	1,905	66	1,257
1978	243	7.6	1,857	67	1,244
1979	252	7.7	1,933	71	1,372

1/ Includes sheep shorn at commercial feeding yards.

2/ Average local market price for wool sold; does not include incentive payment.

Table 42 - Minnesota Honey and Beeswax

Year	Number of colonies	Production per colony	Honey production	Beeswax production	Average price received by producers		Value of production	
					Honey	Beeswax	Honey	Beeswax
	<u>Thousands</u>	<u>Pounds</u>	<u>Thousand pounds</u>		<u>Dollars per pound</u>		<u>Thousand dollars</u>	
1975	138	79	10,902	185	.476	1.05	5,189	194
1976	155	92	14,260	228	.476	1.15	6,788	262
1977	150	80	12,000	228	.470	1.55	5,640	353
1978	145	96	13,920	251	.495	1.82	6,890	457
1979	149	99	14,751	266	.543	1.89	8,010	503

Geographic Distribution of Sheep and Lambs, Minnesota, January 1, 1980

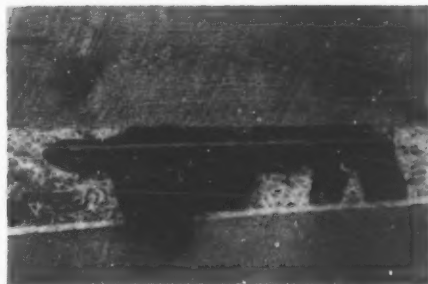
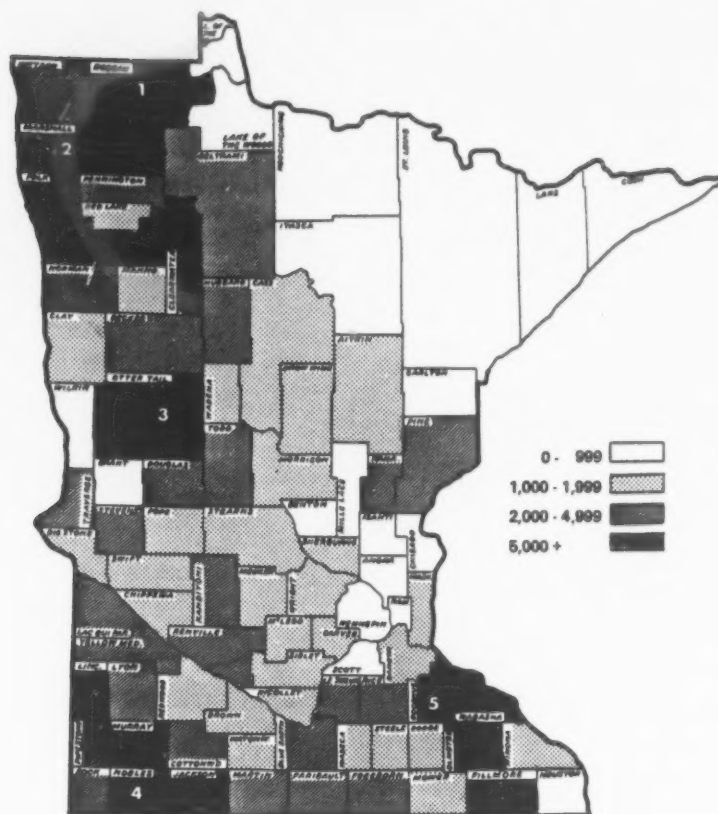


Photo courtesy AGRI-NEWS, Rochester, Minn.



Photo courtesy THE LAND Magazine, Mankato, Minn.

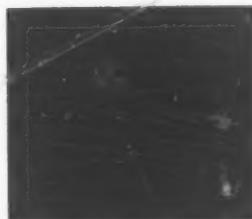


Photo courtesy the AUSTIN HERALD, Austin, Minn.

Dairy

Minnesota's milk production totaled 9.1 billion pounds in 1979, only slightly higher than 1978. The state's share of national production declined from 7.5 percent in 1978 to 7.4 percent in 1979. This decrease in the national share occurred despite an increase in milk cows from 837,000 to 843,000 in 1979.

The revised June count of farms selling milk or cream totaled 26,630 in 1979, down 1,384 from the 28,014 in 1978. The five-year (1974-79) average decrease was 1,742 milk cows.

Milk production per cow averaged 10,800 pounds in 1979, down 100 pounds per cow from a year earlier.

Cash receipts from farm marketings of milk and cream were 1,026 million, up 17 percent from the previous year.



Photo courtesy AGRI-NEWS, Rochester, Minn.

Table 44 - Minnesota Milk Production, Disposition, and Income

Year	Total milk produced	Disposition of milk produced					Cash receipts	Gross producer income
		Used on farm where produced		Sale of milk				
		Fed to calves	Consumed in farm household	Wholesale		Retailed as cream and milk		
		Milk	Cream					
	Mil. lbs.	----- Million pounds -----					Thous.dols.	Thous. dols.
1975	8,946	147	80	8,705	11	3	675,323	681,523
1976	9,239	146	74	9,010	9	0	785,064	791,502
1977	9,483	138	67	9,270	8	0	816,973	822,876
1978	9,089	110	47	8,925	7	0	880,294	884,928
1979	9,145	50	27	9,068	0	0	1,026,498	1,029,554

Table 45 - Minnesota Manufactured Dairy Products

Year	Butter (including whey butter)	All cheese	American cheese	Cottage cheese	Non-fat dry milk solids	Dry whey solids	Ice cream	Ice milk	Milk sherbet
	----- 1,000 pounds -----						---- 1,000 gallons ----		
1975	217,861	316,189	260,039	27,666	243,589	79,476	30,538	5,287	1,474
1976	177,454	430,491	365,162	27,224	187,481	151,509	29,528	5,608	1,506
1977	198,635	410,628	344,573	27,232	229,354	152,033	30,906	5,141	1,465
1978	170,575	451,569	381,599	23,722	175,561	173,223	31,879	5,177	1,507
1979	154,872	479,952	419,304	17,543	151,144	177,445	32,523	5,122	1,507

Geographic Distribution of Milk Production, Minnesota, 1979

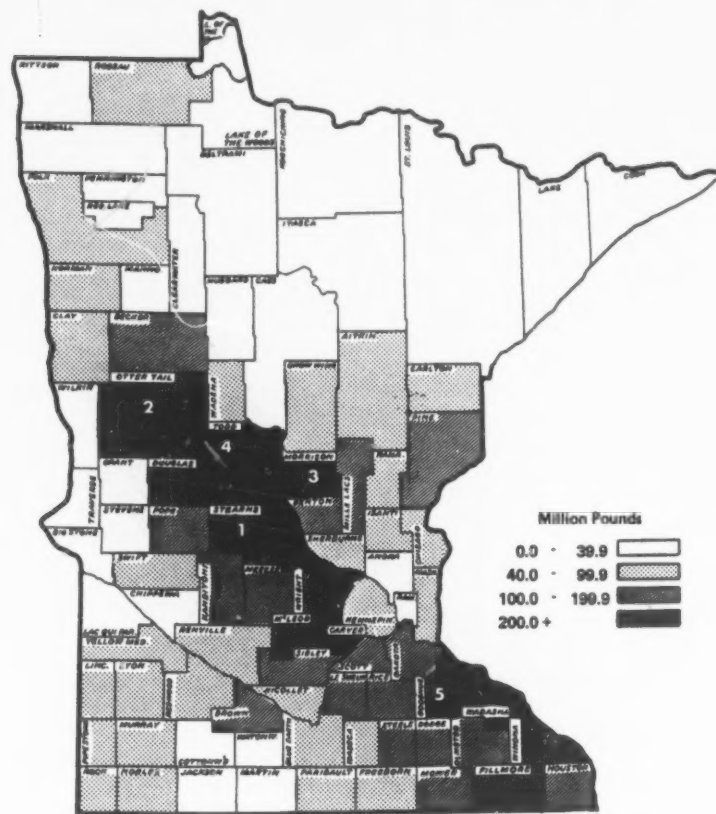


Photo courtesy THE LAND Magazine,
Mankato, Minn.



Photo courtesy THE LAND Magazine,
Mankato, Minn.



Photo courtesy AGRI-NEWS,
Rochester, Minn.

Table 46 - Minnesota Monthly Dairy Production

MILK COWS ON FARMS, EXCLUDES HEIFERS THAT HAVE NOT CALVED
(Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	886	885	883	881	879	878	880	882	884	886	888	890	884
1976	890	886	882	878	874	870	870	872	874	876	878	880	878
1977	880	878	876	874	872	870	865	862	859	856	853	850	866
1978	850	845	839	830	825	825	825	830	835	840	845	850	837
1979	848	842	836	829	823	823	825	830	835	840	845	850	843

MILK PRODUCTION ON FARMS
(Million pounds)

1975	789	774	883	863	892	843	730	626	583	616	626	721	8,946
1976	774	784	882	869	900	874	783	689	621	639	667	757	9,239
1977	818	812	920	896	933	914	813	711	640	651	648	727	9,483
1978	782	756	856	851	879	866	776	681	626	651	642	723	9,089
1979	761	751	867	829	875	863	760	689	638	672	667	748	9,145

PERCENTAGE OF FAT IN MILK SOLD BY FARMERS TO DAIRY PLANTS
(Percent)

1975	3.69	3.67	3.65	3.65	3.62	3.54	3.51	3.51	3.64	3.71	3.70	3.71	3.63
1976	3.66	3.62	3.62	3.59	3.55	3.48	3.46	3.47	3.56	3.69	3.75	3.73	3.60
1977	3.68	3.64	3.59	3.56	3.51	3.50	3.48	3.50	3.61	3.71	3.69	3.70	3.59
1978	3.66	3.63	3.61	3.59	3.55	3.52	3.51	3.51	3.59	3.70	3.75	3.76	3.61
1979	3.71	3.69	3.67	3.65	3.62	3.58	3.54	3.52	3.61	3.71	3.76	3.72	3.65

*Preliminary

BUTTER MANUFACTURED
(Million pounds)

1975	21.2	20.0	23.4	23.4	24.0	21.9	16.7	12.6	11.5	12.2	13.5	17.6	217.9
1976	16.9	16.0	18.9	17.3	17.2	16.7	14.7	10.6	9.6	11.7	12.9	14.9	177.5
1977	16.6	15.8	18.8	19.1	19.3	18.9	18.3	16.0	13.9	13.0	13.9	14.9	198.6
1978	16.0	14.6	16.5	16.6	17.2	16.1	14.7	12.4	11.4	11.9	10.7	12.6	170.6
1979	14.9	13.5	15.7	15.0	15.4	15.5	12.7	11.9	9.8	10.4	10.0	11.6	156.2

AMERICAN CHEESE MANUFACTURED
(Million Pounds)

1975	21.5	20.3	23.5	22.8	24.4	23.3	20.8	18.9	18.1	21.2	21.0	24.2	260.0
1976	26.6	27.4	29.3	34.0	36.0	34.2	29.6	29.7	27.6	28.6	28.8	33.3	365.2
1977	34.9	32.5	34.9	33.0	33.1	30.5	22.3	22.3	20.4	25.5	25.5	29.9	344.6
1978	30.8	30.5	35.1	34.1	36.3	35.3	27.7	27.1	25.2	31.4	32.0	36.1	381.6
1979	38.9	34.6	36.6	36.1	38.2	36.6	33.3	29.7	30.0	32.8	33.9	36.6	417.3

Table 47 -- Minnesota Milk Cows and Production, by County

District and County	Milk cows on farms		Production per cow		Total production	
	1978	1979	1978	1979	1978	1979
	Number	Number	Thous. lbs.	Thous. lbs.	Thous. lbs.	Thous. lbs.
Northwest Dist. (1)						
Becker	11,800	10,800	10.9	11.1	129,000	120,000
Clay	4,000	3,800	11.3	11.3	45,000	43,000
Clearwater	4,000	3,800	10.0	10.0	40,000	38,000
Kittson	900	800	10.0	10.0	9,000	8,000
Mahnomen	2,800	2,600	9.6	9.6	27,000	25,000
Marshall	3,500	3,500	8.9	10.0	31,000	35,000
Norman	3,900	3,700	10.3	10.8	40,000	40,000
Pennington	2,400	2,400	9.2	10.0	22,000	24,000
Polk	6,800	6,400	9.7	10.3	66,000	66,000
Red Lake	3,100	3,100	9.4	9.7	29,000	30,000
Roseau	4,600	4,300	9.8	10.9	45,000	47,000
Total	47,800	45,200	10.1	10.5	483,000	476,000
North Cent. Dist. (2)						
Beltrami	3,500	3,500	9.1	9.7	32,000	34,000
Cass	3,100	3,400	9.0	8.5	28,000	29,000
Hubbard	1,900	2,000	10.0	9.5	19,000	19,000
Itasca	1,300	1,300	8.5	8.5	11,000	11,000
Koochiching	300	300	6.7	10.0	2,000	3,000
Lake of the Woods	400	500	7.5	8.0	3,000	4,000
Total	10,500	11,000	9.0	9.1	95,000	100,000
Northeast Dist. (3)						
Cook	-	-	-	-	-	-
Lake	-	-	-	-	-	-
St. Louis	3,500	3,500	8.0	8.3	28,000	29,000
Total	3,500	3,500	8.0	8.3	28,000	29,000
West Cent. Dist. (4)						
Big Stone	2,200	2,200	11.8	12.3	26,000	27,000
Chippewa	2,900	3,000	12.1	13.0	35,000	39,000
Douglas	19,300	19,100	11.4	12.3	220,000	234,000
Grant	3,700	3,600	10.3	10.6	38,000	38,000
Lac Qui Parle	3,300	3,300	10.0	10.3	33,000	34,000
Otter Tail	42,100	44,000	10.9	10.8	459,000	474,000
Pope	11,800	11,200	12.4	13.1	146,000	147,000
Stevens	2,000	1,800	12.5	13.3	25,000	24,000
Swift	4,300	3,900	11.4	12.1	49,000	47,000
Traverse	1,200	1,200	10.0	10.8	12,000	13,000
Wilkin	1,900	2,000	10.0	10.0	19,000	20,000
Yellow Medicine	4,200	4,100	10.5	10.5	44,000	43,000
Total	98,900	99,400	11.2	11.5	1,106,000	1,140,000
Central Dist. (5)						
Benton	16,700	18,100	11.1	10.1	185,000	183,000
Carver	22,500	22,400	11.9	12.0	268,000	269,000
Kandiyohi	11,400	11,400	11.8	11.8	135,000	134,000
McLeod	20,500	20,500	11.5	11.5	235,000	236,000
Meeker	16,000	16,000	11.5	11.5	184,000	184,000
Morrison	32,000	34,300	10.7	10.7	342,000	366,000
Renville	4,900	4,900	11.6	11.6	57,000	57,000
Scott	12,600	11,700	11.3	12.5	142,000	146,000
Sherburne	4,200	4,200	11.4	11.9	48,000	50,000
Sibley	15,700	16,000	11.3	12.2	177,000	195,000
Stearns	70,200	72,500	10.7	10.7	751,000	776,000
Todd	31,400	33,400	11.2	10.9	352,000	363,000
Wadena	8,400	8,900	9.2	9.6	77,000	85,000
Wright	22,000	24,100	11.5	11.5	253,000	277,000
Total	288,500	298,400	11.1	11.1	3,206,000	3,321,000

Table 47 -- Minnesota Milk Cows and Production, by County (continued)

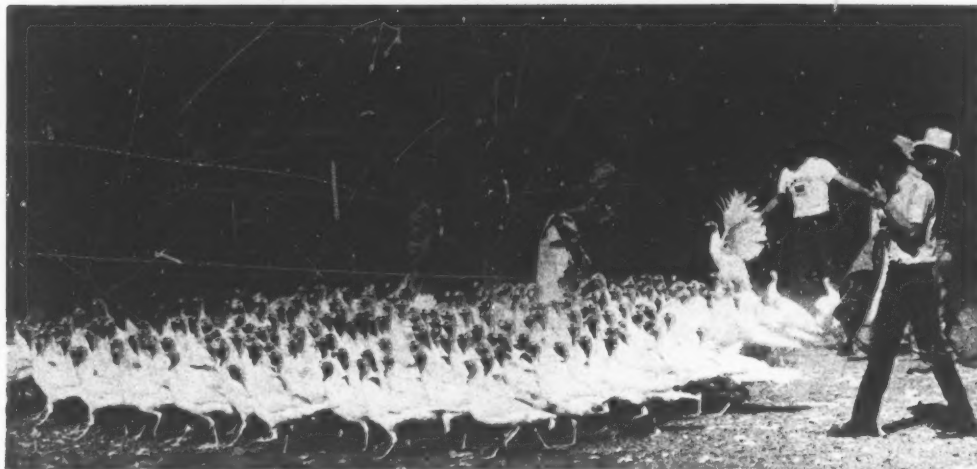
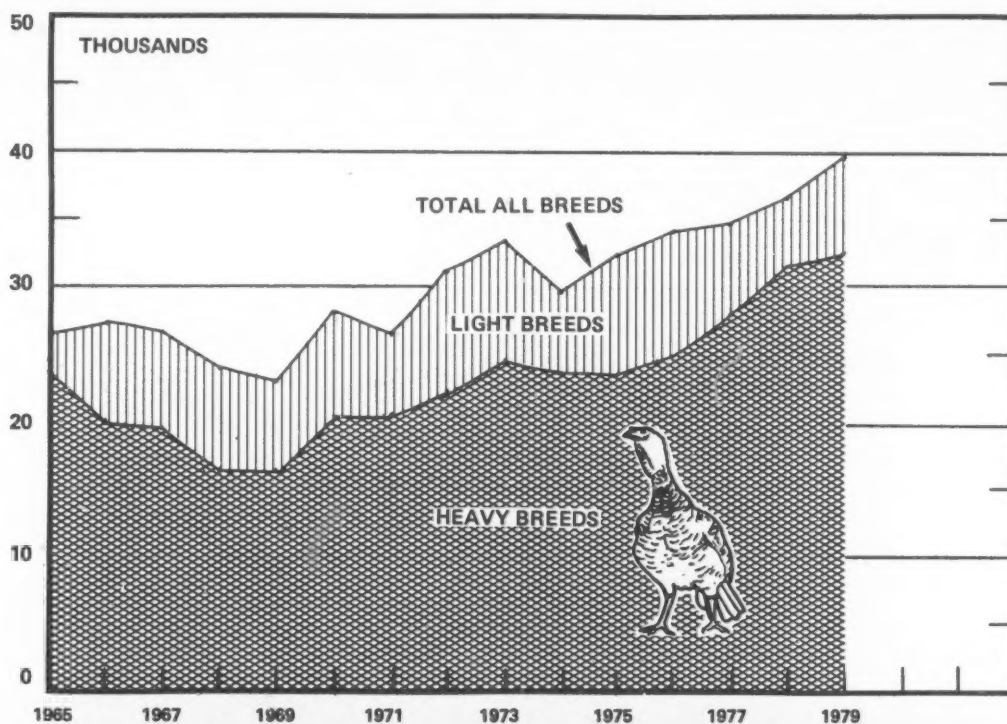
District and County	Milk cows on farms		Production per cow		Total production	
	1978	1979	1978	1979	1978	1979
	Number		Thous.	lbs.	Thous.	lbs.
East Cent. Dist. (6)						
Aitkin	5,000	4,800	10.4	10.4	52,000	50,000
Anoka	1,800	1,800	11.1	11.1	20,000	20,000
Carlton	5,700	5,700	8.2	8.9	47,000	51,000
Chisago	8,000	7,500	10.4	10.5	83,000	79,000
Crow Wing	4,700	4,700	9.6	9.6	45,000	45,000
Hennepin	7,900	7,900	11.0	11.0	87,000	87,000
Isanti	5,800	5,800	10.5	10.7	61,000	62,000
Kanabec	8,900	8,900	10.3	10.4	92,000	93,000
Mille Lacs	13,900	13,800	11.0	10.9	153,000	151,000
Pine	14,100	13,900	9.5	9.5	134,000	132,000
Ramsey	-	-	-	-	-	-
Washington	5,100	4,800	11.2	11.5	57,000	55,000
Total	80,900	79,600	10.3	10.4	831,000	825,000
Southwest Dist. (7)						
Cottonwood	3,300	3,200	11.5	10.6	38,000	34,000
Jackson	3,000	2,700	10.3	10.4	31,000	28,000
Lincoln	5,500	5,400	10.7	10.0	59,000	54,000
Lyon	5,400	5,400	10.7	10.0	58,000	54,000
Murray	6,900	7,200	10.7	9.7	74,000	70,000
Nobles	6,600	6,300	10.6	10.0	70,000	63,000
Pipestone	7,900	7,800	11.4	10.4	90,000	81,000
Redwood	5,300	5,500	11.5	10.5	61,000	58,000
Rock	6,000	5,600	9.8	9.5	59,000	53,000
Total	49,900	49,100	10.8	10.1	540,000	495,000
South Cent. Dist. (8)						
Blue Earth	4,100	4,400	10.0	10.0	41,000	44,000
Brown	10,600	10,600	11.3	11.5	120,000	122,000
Faribault	4,000	4,300	10.3	10.0	41,000	43,000
Freeborn	9,200	8,700	10.2	10.3	94,000	90,000
LeSueur	8,900	8,400	11.5	11.9	102,000	100,000
Martin	2,800	2,700	10.0	10.4	28,000	28,000
Nicollet	8,500	8,600	10.7	10.7	91,000	92,000
Rice	18,000	18,400	10.4	10.6	187,000	195,000
Steele	11,300	11,800	11.1	11.0	125,000	130,000
Waseca	6,100	6,300	11.0	11.0	67,000	69,000
Watonwan	2,500	2,400	10.4	10.8	26,000	26,000
Total	86,000	86,600	10.7	10.8	922,000	939,000
Southeast Dist. (9)						
Dakota	9,400	8,600	12.7	12.9	119,000	111,000
Dodge	12,200	12,300	11.2	11.2	137,000	138,000
Fillmore	27,500	27,300	10.3	10.0	283,000	272,000
Goodhue	30,100	29,800	10.8	11.2	325,000	334,000
Houston	17,600	17,600	10.7	10.5	189,000	185,000
Mower	9,900	9,900	11.2	10.5	111,000	104,000
Olmsted	17,200	17,100	11.9	11.0	204,000	188,000
Wabasha	20,000	20,400	10.6	10.2	213,000	208,000
Winona	27,100	27,200	11.0	10.3	297,000	280,000
Total	171,000	170,200	11.0	10.7	1,878,000	1,820,000
STATE TOTAL	837,000	843,000	10.9	10.8	9,089,000	9,145,000

Poultry

Minnesota once again led the nation in turkey production in 1979 with a record 24.7 million birds raised, a 16-percent increase from 1978. Turkey prices declined in 1979 but gross income from turkey production increased due to the sharp gain in the numbers raised. The state's December 1, 1979 turkey breeder hen flock also set a record at 633,000 hens. The combined Minnesota-Wisconsin turkey poult hatch increased for the fifth consecutive year in 1979, reflecting the expansion underway in the industry. Heavy breeds hatched in Minnesota-Wisconsin increased 3 percent in 1979 while light breeds increased 44 percent.

Poultry estimates included in the following tables are based on survey data obtained from producers, hatcheries, and processing plants. Turkey producers are surveyed twice a year to estimate number of turkeys raised and the breeder hen inventory. Turkey hatcheries report weekly data on eggs set and poults hatched. Egg producers are surveyed monthly with a special survey conducted each December to estimate the total chicken inventory. Chicken hatcheries are surveyed monthly to estimate broiler- and egg-type chicks hatched and eggs set.

Minnesota-Wisconsin Turkey Poults Hatched



Hatchery production of both egg-type and broiler-type chicks increased in 1979, with the broiler-type hatch showing the sharpest increase. The number of commercial broilers raised increased 13 percent from the 1978 level, while the number of other chickens raised on Minnesota farms increased 11 percent. Total cash receipts from the sales of farm chickens and broilers again increased sharply from the preceding year. This increase resulted from more broilers produced in 1979 as the number of farm chickens sold and the market price for broilers both declined slightly.

Map of North Dakota showing population density by county for 1990. The map uses four shading patterns to represent population ranges: 0-24,999 (white), 25,000-99,999 (vertical lines), 100,000-199,999 (diagonal lines), and 200,000+ (solid black). Five regions are numbered: 1 (central), 2 (southern), 3 (western), 4 (central-south), and 5 (northern and southern).

Legend:

- 0 - 24,999
- 25,000 - 99,999
- 100,000 - 199,999
- 200,000 +

-75-

Table 48 -- Minnesota Poultry

Year	Chickens on farms Dec. 1		Chickens raised		Eggs produced	Hatchery production of chicks	Turkey breeder hens on farms Dec. 1 1/	Turkeys raised	Cash receipts from farm sales		Gross income from turkeys
	All	Hens and pullets	Farm	Commercial broilers					Chickens including broilers	Eggs	
	Thousands		Thousands		Mil.	Thousands			1,000 dol.		1,000 dol.
1975	13,140	13,020	9,572	10,092	2,209	34,095	505	22,752	14,029	72,287	127,529
1976	11,680	11,560	8,496	15,200	2,238	38,136	480	24,370	18,764	80,627	117,183
1977	12,410	12,280	9,877	14,200	2,120	37,146	480	22,739	17,620	77,700	125,315
1978	11,920	11,805	9,089	15,100	2,189	41,946	593	21,238	20,642	75,011	154,885
1979	12,500	12,375	10,061	17,000	2,183	47,304	633	24,666	24,038	88,945	165,756

1/ Breeder hen inventories reflect the number producing eggs during the following season.

Table 49 -- Minnesota Monthly Poultry Production

CHICKENS: LAYERS ON FARMS 1/
(Millions)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	9.8	9.7	9.4	9.0	9.0	9.2	9.1	8.9	9.1	9.4	9.8	10.0	9.3
1976	10.0	9.9	9.7	9.7	9.7	9.7	9.1	8.7	8.6	8.7	8.9	9.2	9.4
1977	9.2	9.1	8.9	8.9	8.9	8.8	8.6	8.6	8.6	8.8	9.2	9.4	8.9
1978	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.9	8.9	8.9	9.1	9.4	9.0
1979	9.4	9.2	9.0	9.1	9.0	8.9	8.8	8.7	9.0	9.2	9.3	9.2	9.1

EGGS: AVERAGE NUMBER LAID PER LAYER PER MONTH 1/

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	20.3	18.5	20.5	20.0	20.4	19.5	19.9	19.8	19.1	19.4	18.6	19.3	236
1976	19.9	19.1	20.5	20.1	20.9	19.9	19.9	19.7	19.4	20.2	19.5	20.2	238
1977	20.4	18.5	20.6	20.0	20.5	19.7	20.2	19.9	19.4	20.0	19.6	20.9	239
1978	20.8	18.7	21.1	20.8	21.5	20.3	20.5	20.2	19.3	19.5	19.1	20.2	243
1979	20.2	18.5	20.8	20.3	21.2	20.0	20.0	20.3	19.7	20.1	19.7	20.8	241

EGGS: PRODUCTION ON FARMS 1/2/
(Million eggs)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	200	179	192	179	184	180	180	177	174	182	183	194	2,209
1976	200	190	200	194	202	192	181	170	166	175	174	185	2,238
1977	188	167	183	177	182	172	173	170	167	176	180	196	2,120
1978	191	171	192	187	193	180	182	179	170	174	174	190	2,189
1979	190	169	187	184	189	177	176	176	177	185	183	191	2,183

Table 49 -- Minnesota Monthly Poultry Production (continued)

CHICKENS: HATCHERY PRODUCTION
Egg Type (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	1,521	1,240	1,773	2,654	2,590	2,003	1,667	1,450	1,418	1,739	1,217	1,418	20,690
1976	1,184	1,331	2,419	2,566	2,527	2,221	1,531	1,410	2,025	1,622	1,885	1,775	22,496
1977	1,800	1,659	1,509	2,424	2,808	2,491	1,391	774	1,494	1,648	1,803	1,747	21,548
1978	1,292	1,758	1,825	2,802	2,651	2,806	1,797	2,068	1,966	2,062	2,187	1,963	25,177
1979	2,161	2,176	2,352	2,672	3,233	2,667	2,323	2,261	1,897	1,803	2,063	2,218	27,826

CHICKENS: HATCHERY PRODUCTION
Broiler Type (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	753	966	939	1,645	2,136	1,292	928	1,123	823	831	1,053	916	13,405
1976	851	1,094	1,211	1,861	2,602	1,499	1,048	1,325	1,186	848	1,151	964	15,640
1977	945	1,223	1,254	1,850	2,338	1,374	1,107	1,272	1,001	1,030	1,167	1,037	15,598
1978	999	1,243	1,283	1,843	2,546	1,661	1,314	1,372	1,011	1,099	1,362	1,036	16,769
1979	1,025	1,324	1,459	2,264	3,019	1,958	1,301	1,779	1,240	1,263	1,472	1,374	19,478

TURKEYS: HATCHERY PRODUCTION OF POULTS ^{3/}
Heavy Breeds (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	1,020	2,081	3,157	3,600	3,868	3,412	2,846	1,538	777	464	272	654	23,689
1976	1,136	2,623	3,594	3,954	4,150	3,770	2,614	1,322	657	382	343	477	25,022
1977	1,323	2,268	3,790	4,149	4,549	3,954	3,029	1,676	925	619	531	1,115	27,928
1978	1,858	2,621	4,153	4,223	4,950	4,486	3,471	2,009	1,109	826	719	1,140	31,565
1979	2,283	3,043	4,064	4,663	4,871	4,223	3,257	1,868	1,021	955	1,011	1,404	32,663

TURKEYS: HATCHERY PRODUCTION OF POULTS ^{3/}
Light Breeds (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	609	753	736	713	789	814	913	826	424	567	708	773	8,625
1976	866	658	952	875	949	968	1,110	715	230	451	643	713	9,130
1977	690	628	703	704	766	740	782	551	131	421	357	452	6,925
1978	247	341	359	460	497	449	464	471	299	398	503	510	4,998
1979	305	483	551	642	730	732	672	590	558	614	620	708	7,205

TURKEYS: HATCHERY PRODUCTION OF POULTS ^{3/}
All Breeds (Thousands)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1975	1,629	2,834	3,893	4,313	4,657	4,226	3,759	2,364	1,201	1,031	980	1,427	32,314
1976	2,002	3,281	4,546	4,829	5,099	4,738	3,724	2,037	887	833	986	1,190	34,152
1977	2,013	2,896	4,493	4,853	5,315	4,694	3,811	2,227	1,056	1,040	888	1,567	34,853
1978	2,105	2,962	4,512	4,683	5,447	4,935	3,935	2,480	1,408	1,224	1,222	1,650	36,563
1979	2,588	3,526	4,615	5,305	5,601	4,955	3,929	2,458	1,579	1,569	1,631	2,112	39,868

1/ Annual data represents December previous year to November current year.

2/ Based on unrounded number layers and eggs per layer.

3/ Combined Minnesota-Wisconsin totals.

Table 50 -- Minnesota Chickens and Eggs, by County

District and county	Hens and pullets		Rate of lay		Egg production	
	1978	1979	1978	1979	1978	1979
	Number	Number	Number	Number	Thousands	Thousands
Northwest Dist. (1)						
Becker	55,000	50,000	--	--	13,400	12,100
Clay	410,000	500,000	--	--	99,600	120,600
Clearwater	385,000	400,000	--	--	93,500	96,500
Kittson	4,000	4,000	--	--	1,000	1,000
Mahnomen	20,000	18,000	--	--	4,900	4,300
Marshall	11,000	10,000	--	--	2,700	2,400
Norman	20,000	23,000	--	--	4,900	5,600
Pennington	13,000	10,000	--	--	3,200	2,400
Polk	250,000	240,000	--	--	60,800	57,900
Red Lake	60,000	65,000	--	--	14,600	15,700
Roseau	5,000	5,000	--	--	1,200	1,200
Total	1,233,000	1,325,000	243	241	299,800	319,700
North Cent. Dist. (2)						
Beltrami	9,000	8,000	--	--	1,900	1,700
Cass	7,000	6,000	--	--	1,500	1,300
Hubbard	16,000	14,000	--	--	3,400	3,000
Itasca	14,000	12,000	--	--	3,000	2,600
Koochiching	17,000	17,000	--	--	3,800	3,600
Lake of the Woods	2,000	2,000	--	--	400	400
Total	65,000	59,000	215	214	14,000	12,600
Northeast Dist. (3)						
Cook	--	--	--	--	--	--
Lake	5,000	4,000	--	--	1,100	900
St. Louis	155,000	165,000	--	--	33,300	34,900
Total	160,000	169,000	215	212	34,400	35,800
West Cent. Dist. (4)						
Big Stone	35,000	30,000	--	--	8,500	7,200
Chippewa	120,000	130,000	--	--	29,400	31,400
Douglas	23,000	23,000	--	--	5,600	5,500
Grant	10,000	10,000	--	--	2,400	2,400
Lac Qui Parle	70,000	65,000	--	--	17,000	15,700
Otter Tail	65,000	62,000	--	--	15,800	15,000
Pope	45,000	42,000	--	--	10,900	10,100
Stevens	105,000	95,000	--	--	25,500	22,900
Swift	17,000	17,000	--	--	4,100	4,100
Traverse	17,000	17,000	--	--	4,100	4,100
Wilkin	25,000	20,000	--	--	6,100	4,800
Yellow Medicine	60,000	62,000	--	--	14,600	15,000
Total	592,000	573,000	243	241	144,000	138,200
Central Dist. (5)						
Benton	270,000	255,000	--	--	65,600	61,500
Carver	60,000	70,000	--	--	14,600	16,900
Kandiyohi	135,000	125,000	--	--	32,800	30,200
McLeod	90,000	80,000	--	--	21,900	19,300
Meeker	440,000	470,000	--	--	107,000	113,400
Morrison	370,000	330,000	--	--	90,000	79,600
Renville	130,000	110,000	--	--	31,600	26,500
Scott	35,000	30,000	--	--	8,500	7,200
Sherburne	120,000	135,000	--	--	29,200	32,600
Sibley	600,000	620,000	--	--	145,900	149,600
Stearns	650,000	670,000	--	--	157,900	161,600
Todd	85,000	60,000	--	--	20,700	14,500
Wadena	18,000	23,000	--	--	4,400	5,500
Wright	230,000	300,000	--	--	55,900	72,400
Total	3,233,000	3,278,000	243	241	786,000	790,800

Table 50 -- Minnesota Chickens and Eggs, by County (continued)

District and county	Hens and pullets		Rate of lay		Egg production	
	1978	1979	1978	1979	1978	1979
	Number		Number		Thousands	
<u>East Cent. Dist. (6)</u>						
Aitkin	15,000	22,000	--	--	3,500	5,100
Anoka	21,000	16,000	--	--	4,900	3,700
Carlton	3,000	3,000	--	--	700	700
Chisago	55,000	55,000	--	--	12,800	12,800
Crow Wing	18,000	15,000	--	--	4,200	3,500
Hennepin	30,000	22,000	--	--	7,000	5,100
Isanti	65,000	55,000	--	--	15,200	12,800
Kanabec	7,000	7,000	--	--	1,600	1,600
Mille Lacs	45,000	35,000	--	--	10,500	8,200
Pine	300,000	340,000	--	--	70,000	79,600
Ramsey	1,000	1,000	--	--	200	200
Washington	45,000	42,000	--	--	10,500	9,800
Total	605,000	613,000	233	233	141,100	143,100
<u>Southwest Dist. (7)</u>						
Cottonwood	170,000	170,000	--	--	41,200	41,100
Jackson	150,000	115,000	--	--	36,300	27,900
Lincoln	22,000	22,000	--	--	5,300	5,300
Lyon	100,000	140,000	--	--	24,200	33,900
Murray	90,000	120,000	--	--	21,800	29,100
Nobles	150,000	140,000	--	--	36,300	33,900
Pipestone	30,000	28,000	--	--	7,300	6,800
Redwood	170,000	160,000	--	--	41,200	38,800
Rock	90,000	75,000	--	--	21,800	18,200
Total	972,000	970,000	242	242	235,400	235,000
<u>South Cent. Dist. (8)</u>						
Blue Earth	38,000	38,000	--	--	9,400	9,200
Brown	150,000	145,000	--	--	36,900	35,100
Faribault	70,000	83,000	--	--	17,200	20,100
Freeborn	400,000	400,000	--	--	98,500	97,000
LeSueur	40,000	40,000	--	--	9,800	9,700
Martin	100,000	75,000	--	--	24,600	18,200
Nicollet	160,000	155,000	--	--	39,400	37,500
Rice	220,000	200,000	--	--	54,200	48,400
Steele	140,000	130,000	--	--	34,500	31,500
Waseca	28,000	28,000	--	--	6,900	6,800
Watsonwan	55,000	65,000	--	--	13,500	15,700
Total	1,401,000	1,359,000	246	242	344,900	329,200
<u>Southeast Dist. (9)</u>						
Dakota	70,000	50,000	--	--	17,400	12,500
Dodge	115,000	100,000	--	--	28,700	24,900
Fillmore	105,000	120,000	--	--	26,200	29,900
Goodhue	100,000	80,000	--	--	24,900	19,900
Houston	45,000	45,000	--	--	11,200	11,200
Mower	125,000	120,000	--	--	31,200	29,900
Olmsted	35,000	30,000	--	--	8,700	7,500
Wabasha	120,000	135,000	--	--	29,900	33,600
Winona	45,000	37,000	--	--	11,200	9,200
Total	760,000	717,000	249	249	189,400	178,600
STATE TOTAL	9,021,000	9,063,000	243	241	2,189,000	2,183,000

SECTION IV Prices & Farm Labor

Prices

These published prices represent the average received by farmers for all grades, weights, and classes. The tables provide a historical view of seasonal and monthly average prices. The season average price represents the average price received by Minnesota farmers during the marketing year. To calculate the season average price, the monthly prices are weighted by estimated percentages of sales made each month during the marketing season.

CROP PRICES

The primary sources of the crop prices listed in the following tables are elevators, processors, and dealers which buy directly from farmers. The marketing year for different crops can be found in the footnotes following the tables.

The largest increases in prices were those received for small grains. The most notable was wheat, 75 cents per bushel, while barley and oats were up 28 cents and 13 cents, respectively. Flaxseed was also higher than the previous year. Corn, soybeans, potatoes, and hay were all below 1978 with soybeans down the most by 72 cents per bushel.

Table 51 - Minnesota Monthly Prices Received by Farmers for Crops

CORN 1/ (Dollars per bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season average price
1975	2.98	2.81	2.58	2.64	2.64	2.65	2.64	2.92	2.75	2.59	2.30	2.31	2.50
1976	2.32	2.38	2.42	2.40	2.55	2.70	2.75	2.60	2.63	2.34	2.10	2.27	2.03
1977	2.33	2.34	2.33	2.30	2.23	2.09	1.81	1.57	1.53	1.62	1.80	1.85	1.90
1978	1.80	1.86	1.97	2.12	2.18	2.16	2.00	1.84	1.78	1.76	1.83	1.89	2.08
1979	1.88	1.93	1.97	2.06	2.19	2.31	2.43	2.25	2.24	2.10	1.90	2.03	2.00

SOYBEANS 2/ (Dollars per bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season average price
1975	6.35	5.75	5.19	5.60	4.97	4.86	5.17	5.78	5.27	4.94	4.50	4.33	5.02
1976	4.28	4.35	4.37	4.41	4.79	6.17	6.68	6.01	6.68	5.87	6.08	6.51	7.22
1977	6.70	6.96	7.99	9.11	9.19	8.29	6.60	5.40	5.01	5.36	5.56	5.60	5.90
1978	5.43	5.30	6.07	6.53	6.61	6.45	6.29	6.09	6.03	6.04	6.14	6.26	6.52
1979	6.42	6.80	6.96	6.86	6.91	7.18	7.16	6.74	6.47	6.14	6.11	5.85	5.80

ALL WHEAT 3/ (Dollars per bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season average price
1975	4.37	4.12	3.89	3.96	3.83	3.66	3.96	4.28	4.23	4.16	3.73	3.60	3.99
1976	3.65	3.85	3.81	3.69	3.62	3.89	3.84	3.29	3.08	2.81	2.66	2.62	2.74
1977	2.58	2.67	2.68	2.61	2.47	2.28	2.22	2.17	2.37	2.49	2.57	2.57	2.47
1978	2.58	2.54	2.66	2.83	2.86	2.82	2.77	2.80	2.82	2.93	2.96	2.90	2.96
1979	2.84	2.86	2.88	2.97	3.25	3.64	3.92	3.81	3.71	3.88	3.82	3.64	3.71

OATS 3/ (Dollars per bushel)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season average price
1975	1.52	1.52	1.36	1.45	1.51	1.44	1.41	1.47	1.45	1.39	1.40	1.42	1.47
1976	1.43	1.44	1.45	1.42	1.46	1.67	1.68	1.48	1.50	1.43	1.43	1.49	1.55
1977	1.58	1.59	1.63	1.67	1.50	1.24	.95	.83	.89	1.00	1.11	1.13	1.01
1978	1.12	1.09	1.10	1.15	1.22	1.13	1.02	1.02	1.04	1.06	1.11	1.14	1.12
1979	1.20	1.20	1.22	1.23	1.25	1.32	1.33	1.14	1.19	1.26	1.26	1.19	1.25

1/ Marketing year, October through September.

2/ Marketing year, September through August.

3/ Marketing year, July through June.

NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

Table 51 -- Minnesota Monthly Prices Received by Farmers for Crops (continued)

BARLEY ^{3/} (Dollars per bushel)													
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season average price
1975	3.49	3.33	2.90	3.11	3.14	2.70	2.71	2.79	3.10	3.03	2.76	2.59	2.71
1976	2.44	2.42	2.48	2.47	2.53	2.79	2.79	2.69	2.77	2.59	2.44	2.37	2.35
1977	2.30	2.22	2.29	2.25	2.20	1.79	1.41	1.35	1.50	1.75	1.81	1.81	1.63
1978	1.73	1.81	1.86	1.92	2.00	1.93	1.65	1.64	1.71	1.87	1.93	1.96	1.87
1979	1.87	1.85	1.92	2.04	2.16	2.21	2.28	2.12	2.32	2.29	2.37	2.24	2.15
ALL HAY, BALED ^{1/} (Dollars per ton)													
1975	49.50	51.50	53.50	65.00	73.00	54.50	48.00	52.00	49.00	51.00	50.50	51.00	49.50
1976	50.50	52.00	48.50	43.00	43.00	68.50	62.00	61.00	65.00	68.00	70.00	74.50	70.50
1977	76.00	76.00	80.00	75.50	70.50	59.00	55.00	49.00	43.00	45.00	46.50	44.00	47.50
1978	42.00	43.50	42.50	43.00	47.00	42.00	44.50	44.50	43.50	39.50	41.00	41.00	41.00
1979	39.50	39.50	39.50	40.50	42.00	40.00	40.50	39.00	39.50	40.50	41.00	40.00	39.50
ALFALFA HAY, BALED ^{1/} (Dollars per ton)													
1975	51.50	54.00	56.00	67.50	75.00	56.00	50.50	55.00	52.50	54.50	53.50	54.50	2/
1976	53.50	55.00	51.50	46.00	46.00	73.00	66.00	64.00	68.50	72.00	74.00	78.50	2/
1977	80.00	80.00	84.00	79.50	74.00	62.00	58.00	52.50	45.00	47.00	49.00	46.50	2/
1978	45.00	46.00	45.00	45.50	50.00	44.50	47.00	47.00	45.50	41.50	43.50	43.50	2/
1979	42.00	42.00	42.00	43.00	44.50	42.50	43.00	41.00	42.00	43.00	43.50	41.00	2/
ALL OTHER HAY, BALED ^{1/} (Dollars per ton)													
1975	40.50	41.50	43.00	55.00	65.00	48.00	38.00	40.50	37.00	37.50	38.50	38.00	2/
1976	39.00	41.00	38.00	31.50	31.50	52.00	48.00	49.00	49.00	53.00	55.50	60.00	2/
1977	60.00	60.00	65.00	61.00	58.50	48.50	44.50	35.00	34.50	36.50	36.50	35.00	2/
1978	31.00	33.50	33.00	33.50	36.50	33.00	35.50	34.00	35.00	31.50	31.50	31.00	2/
1979	30.00	31.00	30.00	31.50	32.00	31.00	32.00	30.50	30.50	31.50	32.50	32.00	2/
FLAXSEED ^{3/} (Dollars per bushel)													
1975	8.30	7.62	6.57	6.77	7.44	6.57	7.48	7.17	6.87	6.73	5.66	5.83	6.59
1976	5.36	5.84	5.67	5.90	6.12	6.67	7.28	7.07	7.53	7.16	7.32	7.06	7.33
1977	7.07	7.22	7.44	7.32	7.48	7.13	4.84	3.90	3.95	4.34	3.99	4.30	4.56
1978	4.05	4.06	4.31	4.83	5.44	5.97	5.36	5.29	5.31	5.21	5.32	5.36	5.70
1979	5.80	6.03	6.77	7.00	6.89	7.24	6.82	6.52	6.42	5.54	5.57	5.57	5.90
POTATOES ^{3/} (Dollars per 100 pounds)													
1975	2.85	3.20	3.15	2.20	2.15	2.10	7.00	5.15	3.53	4.05	3.78	3.55	4.32
1976	3.80	4.70	4.95	5.00	4.70	4.35	5.00	4.13	2.65	2.58	2.75	2.60	3.23
1977	2.85	3.80	3.90	4.40	4.90	5.50	5.50	2.82	2.73	2.55	2.65	2.60	2.77
1978	2.65	2.75	2.75	2.90	2.95	2.90	6.00	5.12	3.47	2.40	2.60	2.75	2.95
1979	2.93	2.81	2.70	2.75	3.00	3.00	5.00	4.10	2.72	2.82	2.64	2.80	2.79

1/ Marketing year, June through May.

2/ Not available.

3/ Marketing year, July through June.

NOTE: Season average price includes allowance for loans outstanding and purchases by the government valued at the average loan and purchase rate. Monthly prices do not include this allowance.

LIVESTOCK PRICES

The livestock and dairy price statistics included in these tables are based on reports from farmers, auction markets, livestock buyers, meat and poultry processing plants, the South St. Paul market, produce houses, egg handlers and dealers, marketing cooperatives, dairy plants, and other firms doing business with farmers.

The marketing year for livestock, dairy, and poultry items is a calendar year, except for hogs, chickens, and eggs, which are on a December-November basis.

Prices for most livestock commodities in 1979 were higher than a year earlier. Prices declined for turkeys and hogs. Largest price gains occurred for beef cattle, calves, and replacement milk cows. Prices reached record levels in 1979 for beef cattle, calves, lambs, sheep, replacement milk cows, and milk. The annual average egg price was also a record high. Most livestock prices declined during the first half of 1980. Hog prices declined sharply to their lowest level since 1974 while prices for turkeys and eggs slipped well below 1979 levels. However, prices for wool, replacement milk cows and milk continued upward in early 1980.

Table 52 -- Minnesota Monthly Prices Received by Farmers for Livestock

BEEF CATTLE 1/

(Dollars per 100 pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1975	26.40	25.40	27.30	31.50	33.60	37.50	34.90	31.30	32.90	31.90	30.00	30.80	31.10
1976	31.10	31.40	32.00	36.20	36.10	34.30	31.50	31.70	30.40	28.90	28.10	29.40	31.60
1977	29.80	30.60	31.00	32.20	33.60	32.60	33.20	32.60	32.00	31.10	30.50	30.50	31.60
1978	34.30	37.00	39.50	43.30	46.80	48.20	46.30	44.80	45.50	45.70	44.80	48.20	43.50
1979	54.30	57.60	60.40	65.00	64.50	63.00	60.10	56.50	58.50	55.90	55.40	56.00	58.90

STEERS AND HEIFERS

(Dollars per 100 pounds)

1975	31.80	30.20	31.60	37.70	40.60	45.70	42.50	38.30	40.70	39.80	37.00	37.50	37.80
1976	36.70	35.40	34.40	39.40	39.30	37.00	35.70	35.00	35.50	34.50	36.20	37.70	36.40
1977	35.90	35.70	35.50	36.70	39.40	37.80	38.50	37.60	37.60	38.80	38.70	38.90	37.60
1978	40.20	42.20	44.20	49.30	52.60	54.80	52.00	49.20	51.50	51.90	50.30	52.70	49.10
1979	58.30	62.20	67.00	72.00	70.20	67.20	64.30	60.20	63.00	61.90	62.50	62.60	64.20

COWS 2/

(Dollars per 100 pounds)

1975	17.30	19.00	19.70	22.10	23.80	23.50	21.40	20.30	22.10	21.50	21.10	20.80	21.00
1976	23.60	26.80	29.10	31.70	31.30	27.70	27.30	26.30	24.40	23.40	21.20	22.00	25.90
1977	24.80	25.80	27.30	28.40	28.40	26.30	27.00	26.10	26.50	24.80	24.70	25.10	26.10
1978	28.50	31.80	34.20	37.10	40.30	39.80	40.10	38.10	39.60	40.60	39.90	42.40	37.50
1979	48.70	51.90	53.20	55.10	57.20	51.20	50.30	48.80	49.60	47.00	45.80	47.60	50.70

CALVES

(Dollars per 100 pounds)

1975	22.90	23.00	23.80	28.40	29.20	28.20	24.60	22.40	26.10	27.80	25.20	26.70	25.80
1976	27.30	28.00	33.80	37.30	38.20	35.00	32.70	34.30	32.30	32.70	32.80	35.10	33.40
1977	36.40	37.20	37.10	39.40	43.80	40.30	39.50	40.30	39.40	38.60	37.40	36.60	38.80
1978	40.00	43.30	47.30	55.90	61.20	61.60	63.40	66.30	67.40	68.00	65.00	68.10	58.20
1979	71.50	79.20	87.20	91.30	95.40	86.40	83.20	78.30	90.00	80.00	77.00	75.30	81.90

1/ "Cows" and "Steers and Heifers" combined with allowance where necessary for "Slaughter Bulls."

2/ Includes beef cows and cull dairy cows sold for slaughter but not dairy cows for herd replacement.

Table 52 - Minnesota Monthly Prices Received by Farmers for Livestock (continued)

HOGS ^{1/}
(Dollars per 100 pounds)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1975	38.50	38.70	38.30	39.40	46.10	47.70	55.00	56.50	58.90	58.70	48.20	46.00	46.50
1976	46.30	47.80	45.40	46.40	47.70	48.80	47.00	42.20	39.60	31.80	30.20	35.70	42.60
1977	37.80	39.10	36.80	35.50	41.00	41.70	44.80	42.30	39.60	39.70	36.60	40.90	39.10
1978	44.10	48.20	47.10	45.30	48.70	47.80	45.40	47.40	47.60	51.10	46.90	47.80	46.70
1979	51.10	53.30	50.00	44.30	43.90	39.00	37.10	34.80	36.50	33.10	33.80	37.00	42.00

SHEEP
(Dollars per 100 pounds)

1975	8.90	9.60	9.60	11.50	10.40	10.90	11.80	9.50	10.90	10.80	10.00	11.50	10.50
1976	13.50	13.50	15.50	17.00	13.20	13.10	13.70	12.50	13.00	12.60	11.10	11.90	13.20
1977	12.50	13.60	15.40	13.80	12.60	12.40	12.30	12.50	15.90	15.20	14.50	18.00	14.30
1978	20.10	17.70	19.30	18.20	18.00	19.60	20.40	21.70	24.90	23.50	22.50	23.70	20.90
1979	27.50	28.90	29.00	28.20	26.00	25.00	23.10	22.90	23.70	21.50	20.40	26.50	24.60

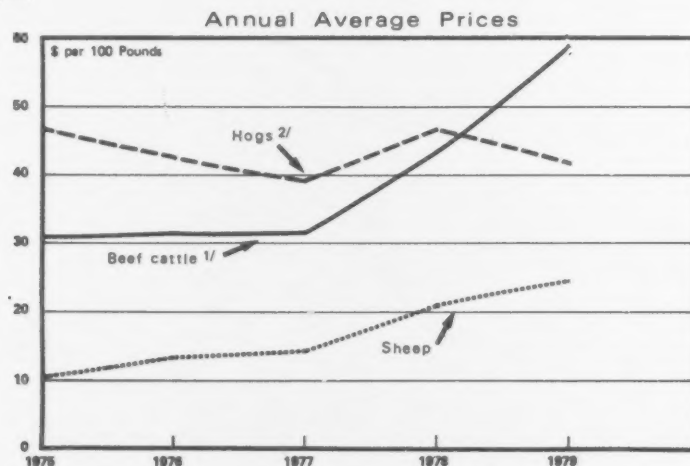
LAMBS
(Dollars per 100 pounds)

1975	37.80	41.10	41.30	45.80	45.90	47.90	44.40	39.00	41.20	42.70	43.60	47.50	43.10
1976	47.80	48.10	51.70	55.90	65.40	51.60	48.30	40.50	41.60	41.70	41.70	45.00	46.80
1977	51.10	51.40	47.10	50.20	58.30	53.80	51.90	51.60	54.10	55.50	52.80	57.70	52.70
1978	62.40	66.40	69.90	64.20	69.80	64.10	57.10	57.80	65.00	66.20	61.80	65.10	64.00
1979	78.20	73.50	64.50	69.70	71.30	66.70	63.30	60.00	65.70	64.00	65.40	67.30	66.90

WOOL
(Cents per pound)

1975	33	21	21	23	27	29	26	29	29	28	31	32	29
1976	37	39	40	45	50	53	55	58	56	60	63	62	50
1977	65	67	67	68	65	65	66	64	65	65	66	67	66
1978	67	67	67	66	66	67	67	66	67	68	69	69	67
1979	69	70	71	72	73	70	66	67	68	68	74	71	71

^{1/} Annual average price is the marketing year average—December previous year through November current year.



^{1/} "Cows" and "Steers and Heifers" combined with allowance where necessary for "Slaughter Bulls."
^{2/} Marketing year average—December previous year through November current year.

Table 53 -- Minnesota Monthly Prices Received by Farmers for Poultry

TURKEYS (Cents per pound)													
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1975	31.0	29.0	27.0	28.0	29.0	32.0	35.0	36.0	36.0	36.0	37.0	36.0	34.6
1976	35.0	31.0	32.0	29.0	31.0	30.0	29.0	30.0	29.0	28.0	28.0	30.0	29.5
1977	29.0	29.0	32.0	33.0	33.0	32.0	31.0	32.0	33.0	35.0	37.0	39.0	33.4
1978	37.0	36.0	37.0	36.0	38.0	40.0	40.0	42.0	43.0	45.0	46.0	49.0	42.4
1979	47.0	44.0	42.0	43.0	40.0	37.0	36.0	37.0	37.0	38.0	45.0	46.0	40.5

EGGS ^{1/} (Cents per dozen)													
1975	48.1	39.9	37.0	34.9	35.8	31.5	33.4	37.8	44.5	42.3	43.1	46.3	39.7
1976	44.3	43.2	40.9	39.4	41.0	39.7	39.7	41.9	47.9	48.3	52.9	56.0	43.7
1977	49.0	52.4	50.4	48.1	40.2	35.1	36.2	41.3	42.5	37.5	41.8	43.3	44.4
1978	38.1	43.0	46.3	43.0	38.3	35.2	39.7	40.4	42.4	42.2	45.5	54.5	41.5
1979	51.8	49.8	55.3	52.7	50.4	47.2	45.4	44.3	47.6	43.1	48.2	53.3	49.3

^{1/} Marketing year average—December previous year through November current year.



Photo Courtesy THE LAND Magazine, Mankato, Minn.

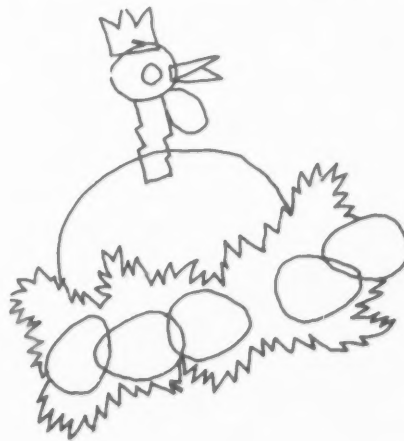


Table 54 -- Minnesota Average Prices Received by Farmers for Honey and Beeswax

Year	Extracted honey		Chunk honey	Comb honey	All honey	Beeswax
	Wholesale	Retail				
	<u>Dollars per pound</u>					
1975	.47	.72	.79	.93	.476	1.05
1976	.47	.70	.92	1.00	.476	1.15
1977	.46	.71	.81	1.07	.470	1.55
1978	.49	.74	.94	1.12	.495	1.82
1979	.54	.82	1.26	1.24	.543	1.89

Table 55 -- Minnesota Monthly Prices Received by Farmers for Milk Cows and Dairy Products

MILK COWS ^{1/}
(Dollars per head)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1975	340	325	325	350	375	370	375	355	385	385	405	440	369
1976	445	460	490	510	490	435	430	460	480	470	475	445	466
1977	455	455	475	490	475	460	485	460	485	495	510	515	480
1978	525	530	565	605	620	640	650	655	725	770	780	795	655
1979	860	920	965	995	1010	980	975	995	1030	1020	1030	1050	985

ALL WHOLESALE MILK
(Dollars per 100 pounds)

1975	7.09	7.11	7.10	7.16	7.17	7.16	7.39	7.76	8.46	8.95	9.26	9.52	7.75
1976	9.20	8.61	8.78	8.63	8.53	8.43	8.72	8.97	8.75	8.71	8.66	8.57	8.71
1977	8.53	8.45	8.48	8.73	8.71	8.72	8.75	8.82	9.04	9.21	9.26	9.31	8.81
1978	9.28	9.33	9.40	9.48	9.47	9.46	9.54	9.90	10.25	10.71	11.02	11.15	9.86
1979	11.07	10.97	11.06	11.06	11.07	11.01	11.09	11.40	11.71	11.93	12.01	11.98	11.32

FLUID MARKET WHOLESALE MILK
(Dollars per 100 pounds)

1975	7.45	7.41	7.40	7.44	7.43	7.40	7.62	7.94	8.65	9.12	9.56	9.75	8.04
1976	9.55	9.08	9.33	9.05	8.97	8.74	8.97	9.18	9.05	9.11	9.03	8.90	9.08
1977	8.86	8.77	8.75	8.94	8.90	8.94	8.98	9.04	9.30	9.45	9.51	9.57	9.07
1978	9.56	9.61	9.66	9.75	9.76	9.74	9.81	10.14	10.52	10.95	11.30	11.50	10.15
1979	11.44	11.35	11.38	11.41	11.42	11.37	11.49	11.71	12.02	12.23	12.35	12.32	11.69

MANUFACTURING GRADE WHOLESALE MILK
(Dollars per 100 pounds)

1975	6.80	6.88	6.88	6.95	6.99	7.00	7.23	7.62	8.30	8.80	9.00	9.32	7.52
1976	8.91	8.23	8.34	8.32	8.19	8.18	8.52	8.79	8.47	8.32	8.31	8.27	8.40
1977	8.22	8.15	8.22	8.55	8.54	8.52	8.53	8.60	8.78	8.95	8.97	9.02	8.56
1978	8.99	9.05	9.14	9.21	9.19	9.20	9.27	9.64	9.95	10.42	10.68	10.74	9.54
1979	10.67	10.55	10.60	10.69	10.70	10.64	10.68	11.06	11.35	11.54	11.58	11.55	10.92

^{1/} Milk cows sold for dairy herd replacement only.

Table 56 -- Minnesota Monthly Prices Paid by Farmers for Selected Commodities

BRAN
(Dollars per cwt.)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1975	7.40	7.10	6.70	6.70	6.60	6.50	6.60	6.60	6.60	6.70	6.70	6.70	6.74
1976	6.90	7.00	7.00	7.00	7.10	7.10	7.30	7.30	7.40	7.50	7.60	7.60	7.23
1977	7.70	7.70	7.80	7.50	7.70	7.60	7.50	7.00	6.50	6.40	6.50	6.90	7.23
1978	7.00	7.10	7.10	7.20	7.00	7.00	6.90	6.70	6.80	6.90	7.40	7.70	7.07
1979	7.90	8.10	8.30	8.40	8.20	8.00	8.40	8.10	8.10	8.40	8.40	8.40	8.23

MIDDLINGS
(Dollars per cwt.)

1975	7.20	6.90	6.50	6.60	6.40	6.30	6.40	6.50	6.50	6.40	6.70	6.60	6.59
1976	6.70	6.90	6.80	6.70	7.00	7.00	7.30	7.10	7.20	7.30	7.30	7.50	7.07
1977	7.50	7.50	7.40	7.40	7.50	7.40	7.30	6.80	6.30	6.00	6.20	6.70	7.00
1978	6.80	6.70	6.80	6.90	6.80	6.70	6.70	6.50	6.50	6.70	7.10	7.40	6.80
1979	7.80	7.90	8.10	8.30	7.90	7.90	8.30	8.00	7.90	8.30	8.30	8.10	8.07

SOYBEAN MEAL, 44%
(Dollars per cwt.)

1975	9.10	8.20	7.70	8.00	7.90	7.80	7.90	8.30	8.60	8.40	8.00	8.00	8.16
1976	7.90	8.00	8.10	8.10	8.90	11.50	12.30	11.00	11.80	10.80	10.80	11.50	10.06
1977	11.90	12.20	13.00	15.00	15.60	14.60	11.90	10.40	9.80	9.40	10.10	10.10	12.00
1978	10.30	9.70	10.40	11.20	11.00	11.20	11.00	10.50	10.70	10.90	11.50	11.60	10.83
1979	11.70	11.90	12.00	12.10	12.10	12.60	13.50	12.40	12.10	12.10	11.60	12.00	12.18

BEEF CATTLE CONCENTRATE, 32-36% ^{1/}
(Dollars per cwt.)

1975	8.90	8.50	8.30	8.40	8.30	8.30	8.30	8.40	8.70	8.70	8.60	8.70	8.51
1976	8.50	8.70	8.40	8.40	8.80	9.80	10.20	9.80	10.10	9.90	10.00	10.00	9.38
1977	10.10	10.30	11.00	11.30	11.50	11.10	9.90	9.10	8.80	8.80	9.40	9.40	10.06
1978	9.50	9.10	9.30	9.70	9.60	9.50	9.70	9.30	9.30	9.80	10.10	10.30	9.60
1979	10.30	10.50	10.70	10.20	10.10	10.60	11.30	10.70	10.80	11.30	10.90	11.50	10.74

HOG CONCENTRATE, 38-42% ^{2/}
(Dollars per cwt.)

1975	10.60	10.00	9.60	10.10	9.90	9.90	10.10	10.40	10.50	10.50	10.10	10.30	10.17
1976	10.10	10.30	10.40	10.30	10.90	13.30	13.90	12.50	13.30	12.50	12.50	13.40	11.95
1977	13.80	13.80	14.60	15.70	16.50	15.60	13.40	12.20	12.00	11.80	12.40	12.30	13.68
1978	12.30	11.80	12.40	13.10	12.80	13.10	13.10	12.60	12.90	13.20	13.60	13.80	12.89
1979	13.70	14.00	14.40	14.40	14.20	14.60	15.60	14.30	14.20	14.50	14.10	14.50	14.38

^{1/} Prior to 1976, "Beef Cattle Concentrate, 30% or More."^{2/} Prior to 1976, "Hog Concentrate, Over 28%."

Table 56 -- Minnesota Monthly Prices Paid by Farmers for Selected Commodities (continued)

DAIRY FEED, 16% (Dollars per ton)													
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1975	144	135	129	133	131	131	130	134	135	133	134	132	133
1976	132	131	131	130	133	141	141	142	147	140	140	140	137
1977	140	146	143	144	154	146	132	116	115	111	119	123	132
1978	125	120	122	126	128	134	129	124	126	128	133	131	127
1979	132	138	137	137	139	144	158	144	147	150	147	154	144

DAIRY FEED, 32% (Dollars per ton)													
1975	183	169	166	171	167	171	167	170	174	179	175	173	172
1976	173	180	179	173	179	205	210	205	215	205	200	210	195
1977	215	220	235	235	260	245	210	194	186	175	194	193	214
1978	199	190	198	205	210	210	205	197	198	205	215	215	204
1979	215	220	230	225	220	230	245	230	230	245	230	240	230

LAYING FEED (Dollars per ton)													
1975	167	155	152	153	153	150	155	159	160	157	154	154	157
1976	153	152	154	151	157	176	177	173	173	166	164	171	164
1977	170	175	176	183	192	182	166	153	150	147	156	158	167
1978	157	156	161	163	175	165	163	156	156	163	160	168	162
1979	167	169	170	173	175	178	186	176	177	178	183	192	177

CHICK STARTER (Dollars per ton)													
1975	189	178	172	175	172	173	173	180	180	177	174	174	176
1976	175	174	175	174	180	198	205	194	199	192	188	199	188
1977	199	200	205	210	215	205	193	175	173	171	180	185	193
1978	185	182	185	193	191	194	194	185	186	190	196	200	190
1979	197	200	205	200	200	205	225	210	210	215	210	215	208

BROILER GROWER (Dollars per ton)													
1975	165	149	139	145	145	146	146	156	154	147	140	144	150
1976	146	144	150	142	150	168	175	160	169	156	152	159	156
1977	154	154	164	173	175	173	153	141	145	145	149	149	156
1978	152	161	155	164	162	164	162	154	151	160	158	168	159
1979	161	163	159	168	173	172	193	169	175	180	179	185	173

(contin.)

Table 56 -- Minnesota Monthly Prices Paid by Farmers for Selected Commodities (continued)

CORN MEAL (Dollars per cwt.)													
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average price
1975	6.80	6.30	6.00	5.90	6.10	6.00	6.10	6.30	6.40	5.90	5.50	5.50	6.07
1976	5.50	5.60	5.50	5.40	5.70	6.00	6.20	6.20	6.10	5.70	5.50	5.40	5.73
1977	5.60	5.60	5.70	5.60	5.40	5.40	5.10	4.60	4.30	4.05	4.30	4.50	5.01
1978	4.60	4.50	4.55	4.90	4.85	4.95	4.90	4.80	4.75	4.70	4.70	4.85	4.75
1979	4.75	4.75	4.80	4.95	5.00	5.30	5.70	5.40	5.40	5.40	5.30	5.50	5.19

GASOLINE (SERVICE STATION), UNLEADED REGULAR 1/ (Dollars per gallon)													
1975													
1976													
1977													
1978	.630	.640	.640	.640	.640	.650	.650	.660	.670	.680	.680	.690	.660
1979	.700	.720	.740	.790	.830	.880	.930	.990	1.00	1.03	1.05	1.07	.890

LEADED REGULAR GASOLINE, BULK DELIVERY 1/ (Dollars per gallon)													
1975	.460			.468			.531			.541			
1976	.541			.530			.560			.570			
1977	.560	.570	.570	.580	.590	.590	.590	.590	.600	.590	.590	.590	.580
1978	.590	.590	.590	.590	.600	.610	.610	.620	.630	.630	.630	.640	.610
1979	.650	.670	.690	.730	.760	.820	.860	.920	.940	.960	.980	1.00	.890

DIESEL FUEL (Dollars per gallon)													
1975	.358			.355			.378			.386			
1976	.398			.388			.398			.410			
1977	.440	.450	.450	.460	.460	.460	.460	.470	.460	.470	.470	.470	.460
1978	.470	.460	.460	.450	.450	.460	.460	.460	.460	.460	.470	.490	.460
1979	.500	.510	.540	.600	.630	.690	.730	.800	.840	.850	.870	.890	.790

LP GAS (Dollars per gallon)													
1975													.320 ^{2/}
1976													.355 ^{2/}
1977	.370	.380	.380	.380	.390	.400	.390	.400	.420	.410	.410	.420	.400
1978	.430	.430	.430	.420	.420	.420	.420	.410	.410	.400	.400	.400	.420
1979	.400	.400	.390	.390	.390	.410	.440	.450	.470	.490	.520	.550	.440

1/ Series began in 1978.

2/ Prior to 1977, based on annual survey made in July and August reporting data from most recent bill, usually purchased during April, May, or June.

Farm Labor

Farm labor and wage rate estimates are based on surveys conducted during January, April, July, and October each year. The total farm labor force declined 12 percent in 1979 with drops occurring for both family workers and hired workers. The total work force fell below the previous year during each quarter of 1979. The first two quarters of 1980 showed an increased number of farm workers, led by gains in the number of family workers.

Annual average farm wage rates were sharply higher in 1979, gaining 13 percent from the previous year. This trend continued in 1980 as wages gained 10 and 11 percent for the respective January and April survey periods.



Photo Courtesy AGRI-NEWS,
Rochester, Minn.



Photo courtesy THE LAND
Magazine, Mankato, Minn.

Table 57 -- Minnesota Workers on Farms

Year	Quarter				Annual average
	January	April	July	October	
<u>Thousands</u>					
<u>1975</u>					
Family	120	142	186	175	156
Hired	16	25	88	40	42
Total	136	167	274	215	198
<u>1976</u>					
Family	146	190	182	182	175
Hired	16	35	70	45	42
Total	162	225	252	227	217
<u>1977</u>					
Family	126	172	177	180	164
Hired	14	30	59	35	35
Total	140	202	236	215	199
<u>1978</u>					
Family	133	146	174	178	158
Hired	14	14	73	45	37
Total	147	160	247	223	195
<u>1979</u>					
Family	121	112	169	160	141
Hired	23	19	45	31	30
Total	144	131	214	191	171
<u>1980</u>					
Family	148	123			
Hired	20	26			
Total	168	149			

Table 58 -- Minnesota Farm Wage Rates

Year	Quarter				Annual average 1/
	January	April	July	October	
	Dollars per hour 2/				
1975	2.89	2.69	2.40	3.16	2.71
1976	3.08	2.82	2.67	3.13	2.94
1977	3.05	2.95	2.71	3.35	3.04
1978	3.15	3.51	3.02	3.40	3.29
1979	3.23	3.56	3.65	3.95	3.73
1980	3.54	3.95			

1/ Average of quarterly rates weighted by hours worked during survey week.
2/ Wage rates are for workers paid by the hour receiving cash wages only.



Photos Courtesy THE LAND Magazine, Mankato, Minn.

WHY CROP & LIVESTOCK REPORTS?



THEY HELP FARMERS MAKE DECISIONS – WHETHER TO BOOST HOG PRODUCTION, HOLD WHEAT OFF THE MARKET, PLACE MORE CATTLE, WHICH CROPS TO GROW. WITH THE INVESTMENT HE HAS IN HIS OPERATION, A FARMER JUST CAN'T AFFORD TO TAKE CHANCES BY BASING HIS OPERATING DECISIONS ONLY ON HIS OWN HUNCHES.

THEY PUT FARMERS ON AN EQUAL FOOTING WITH THE BUYERS OF THEIR PRODUCTS, TIPPING THE SCALES SO THAT EVERYONE GETS INFORMATION, NOT JUST A SELECT FEW.



THEY REMOVE DOUBTS ON SIZE OF PRODUCTION OR INVENTORIES SO THAT PRICES CAN MOVE IN LINE WITH THE TRUE SUPPLY. WITHOUT THEM, FARM PRICES WOULD NEVER BE IN LINE WITH SUPPLY BECAUSE NO ONE WOULD KNOW THE ACTUAL SUPPLY – ESPECIALLY THE FARMER, WHO DOESN'T HAVE OTHER SOURCES OF INFORMATION LIKE MANY BUSINESSES DO.

THEY COME FROM THE BEST POSSIBLE SOURCE -- THE PRODUCER. WE SELECT OUR SURVEY SAMPLES SCIENTIFICALLY AND ANY "MIS-REPORTED" QUESTIONNAIRES ARE WEEDED OUT.



THEY'RE ACCURATE. ERRORS CAN CREEP IN, IT'S TRUE, BUT FARMERS CAN CUT DOWN ON THIS BY GOOD RESPONSE TO USDA SURVEYS.

SOME FARMERS THINK WE'D ALL BE BETTER OFF WITH NO INFORMATION. THAT WAY, PACKERS, FEED COMPANIES, AND OTHER BIG BUSINESSES WOULDN'T HAVE USDA REPORTS TO RELY ON. WRONG. THESE COMPANIES HAVE THEIR OWN INTERNAL INFORMATION-GATHERING SYSTEMS, TOO, SO IF YOU TAKE AWAY USDA REPORTS, THEY WON'T BE HURTING, THE FARMER WILL.



OTHER USES OF CROP & LIVESTOCK REPORTS ➤

- THEY GIVE INDICATIONS TO SUPPLIERS OF FARM INPUTS ON HOW MUCH FERTILIZER, AG CHEMICALS, FARM STORAGE, AND OTHER NECESSARY ITEMS FARMERS NEED.
- *THEY SHOW AREAS OF SURPLUS AND DEFICIT PRODUCTION SO RURAL TRANSPORTATION SYSTEMS CAN ALLOCATE RAILCARS, TRUCKS, BARGES, ETC. TO MOVE FARM PRODUCTS TO PARTS OF THE COUNTRY WHERE THEY'RE NEEDED.*
- CROP AND LIVESTOCK REPORTS TELL WHAT'S AVAILABLE FOR EXPORT AND PINPOINT SURPLUS COMMODITIES SO THAT EXPORTS CAN BE MORE EFFECTIVELY PROMOTED.
- *COUNTY DATA ARE USED BY USDA IN FORMULATING SUPPORT PAYMENTS AND DETERMINING INSURANCE LOSSES CAUSED BY WEATHER.*
- THEY HELP FOOD PROCESSING PLANTS, GRAIN ELEVATORS, FARM INPUT COMPANIES, AND OTHER BUSINESSES DECIDE ON WHERE BEST TO LOCATE THEIR OPERATIONS SO THEY'RE CLOSE TO AREAS OF HEAVY PRODUCTION.
- *THEY'RE THE "RAW DATA" USED BY MOST UNIVERSITY, PRIVATE, AND GOVERNMENT ECONOMISTS, FARM JOURNALS, AND OTHERS TO ANALYZE WHAT'S AHEAD, ALERTING FARMERS TO POSSIBLE SHORTAGES OR SURPLUSES IN PRODUCTION.*
- THEY'RE USED BY SCHOOLS AND UNIVERSITIES THAT TEACH FARM MANAGEMENT, FARM ECONOMICS, AND OTHER AG COURSES TO SHOW EFFECTIVE DECISION-MAKING PROCESSES TO TOMORROW'S FARMERS.

IN SUMMARY, IT'S CRUCIAL THAT SUPPLY/DEMAND INFORMATION IS DISTRIBUTED WIDELY TO ALL LEVELS OF THE FARMING SECTOR. THIS ASSURES A COMPETITIVE MARKET STRUCTURE – A STRUCTURE WHICH MAY NOT BE PERFECT BUT WHICH IS FAR SUPERIOR TO ONE WHERE EITHER NO ONE OR ONLY A FEW ARE INFORMED.

MOST FARMERS DON'T COMPLAIN WHEN PRICES GO UP AFTER A REPORT BUT IT HAPPENS ABOUT AS MANY TIMES AS WHEN PRICES GO DOWN. THE MARKET MAY REACT – BUT THE MARKET IS ADJUSTING TO NEW INFORMATION ABOUT THE SUPPLY.

WE KNOW OUR REPORTS MAY NOT ALWAYS TELL YOU WHAT YOU WANT TO HEAR, BUT THE ONLY KIND OF REPORTS THAT DO ANYONE ANY GOOD ARE THE ONES THAT REPORT THE FACTS.

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